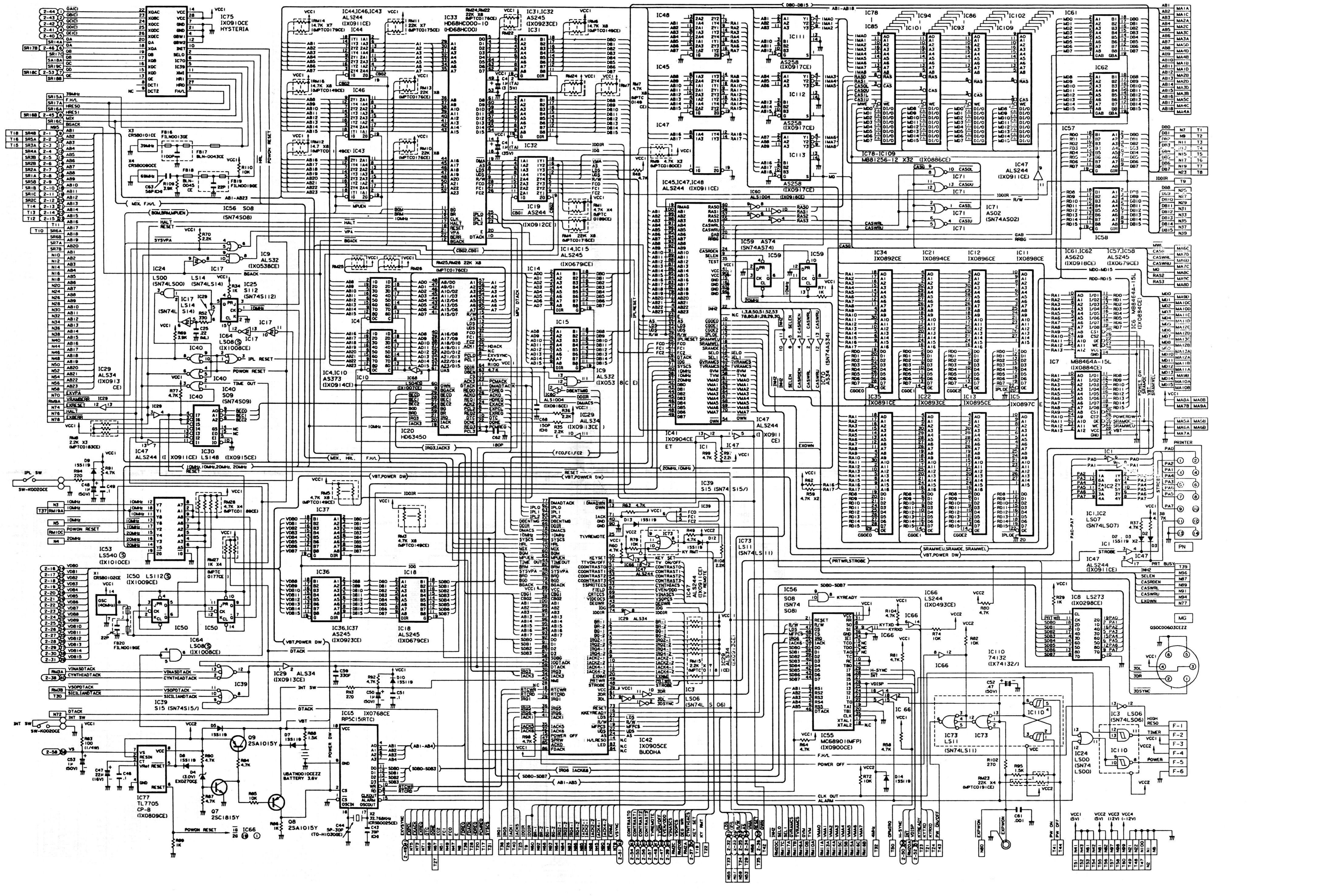
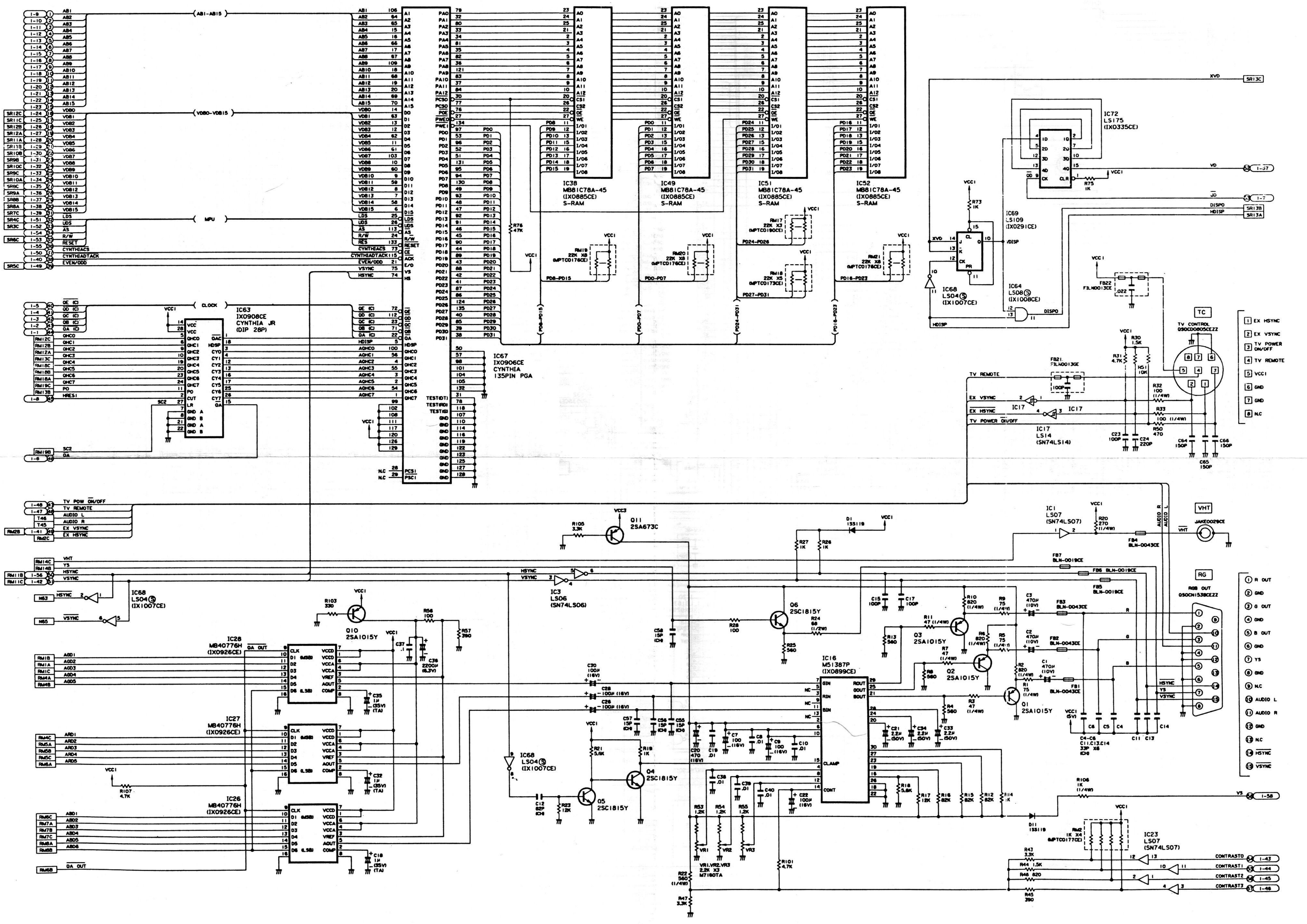
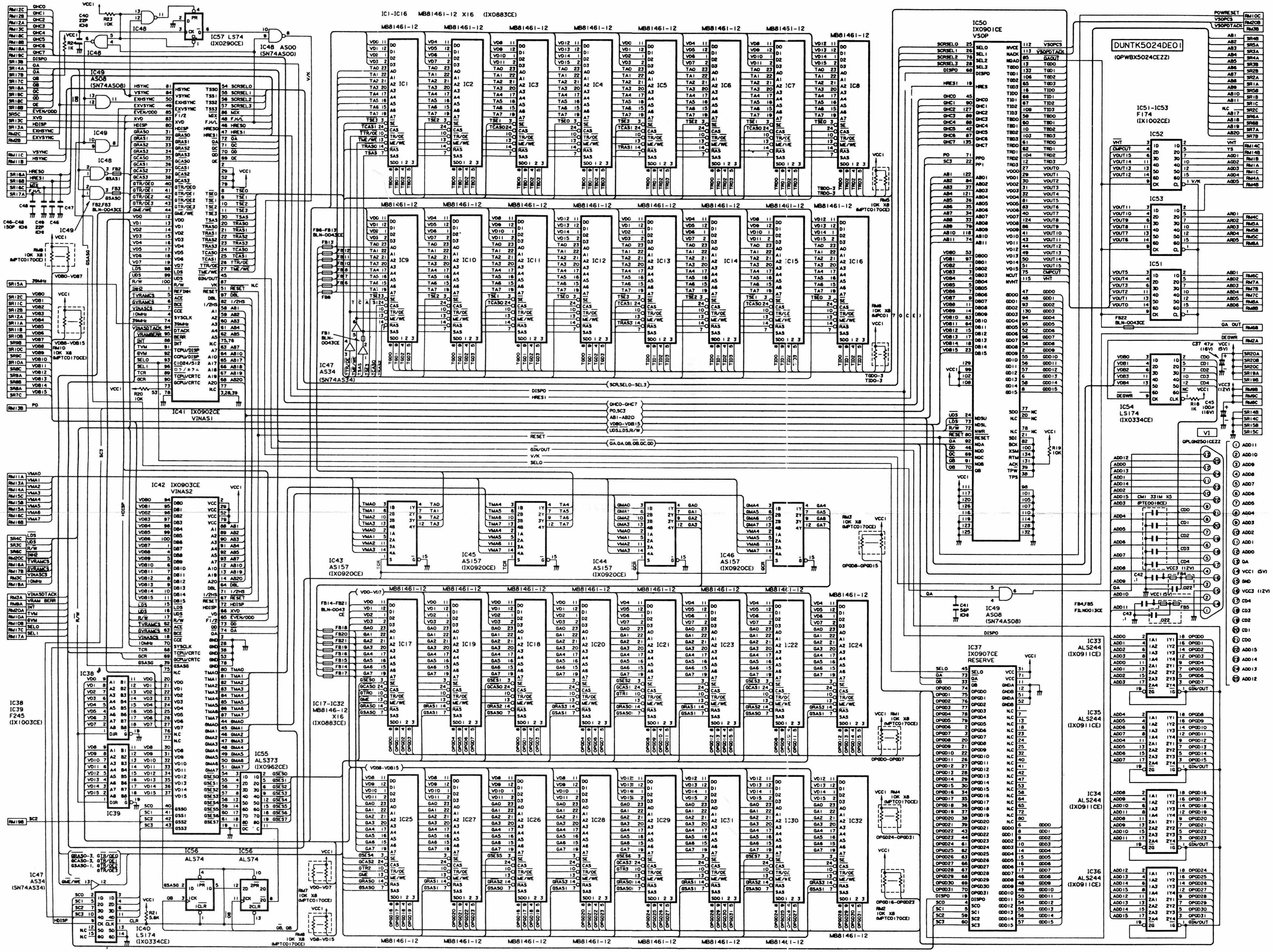
●CZ-600CE メイン回路図 (1)



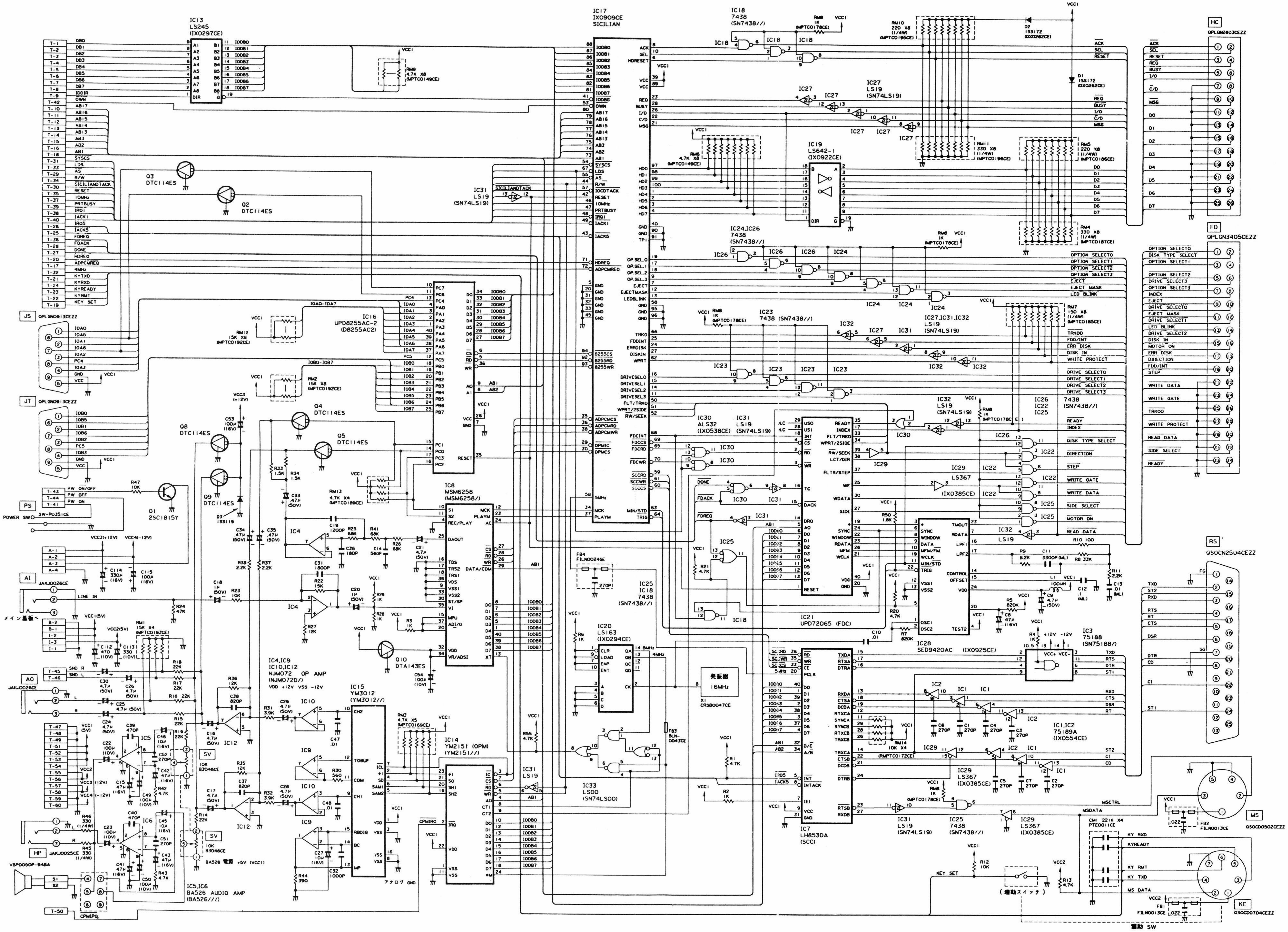
●CZ-600CE メイン回路図（2）



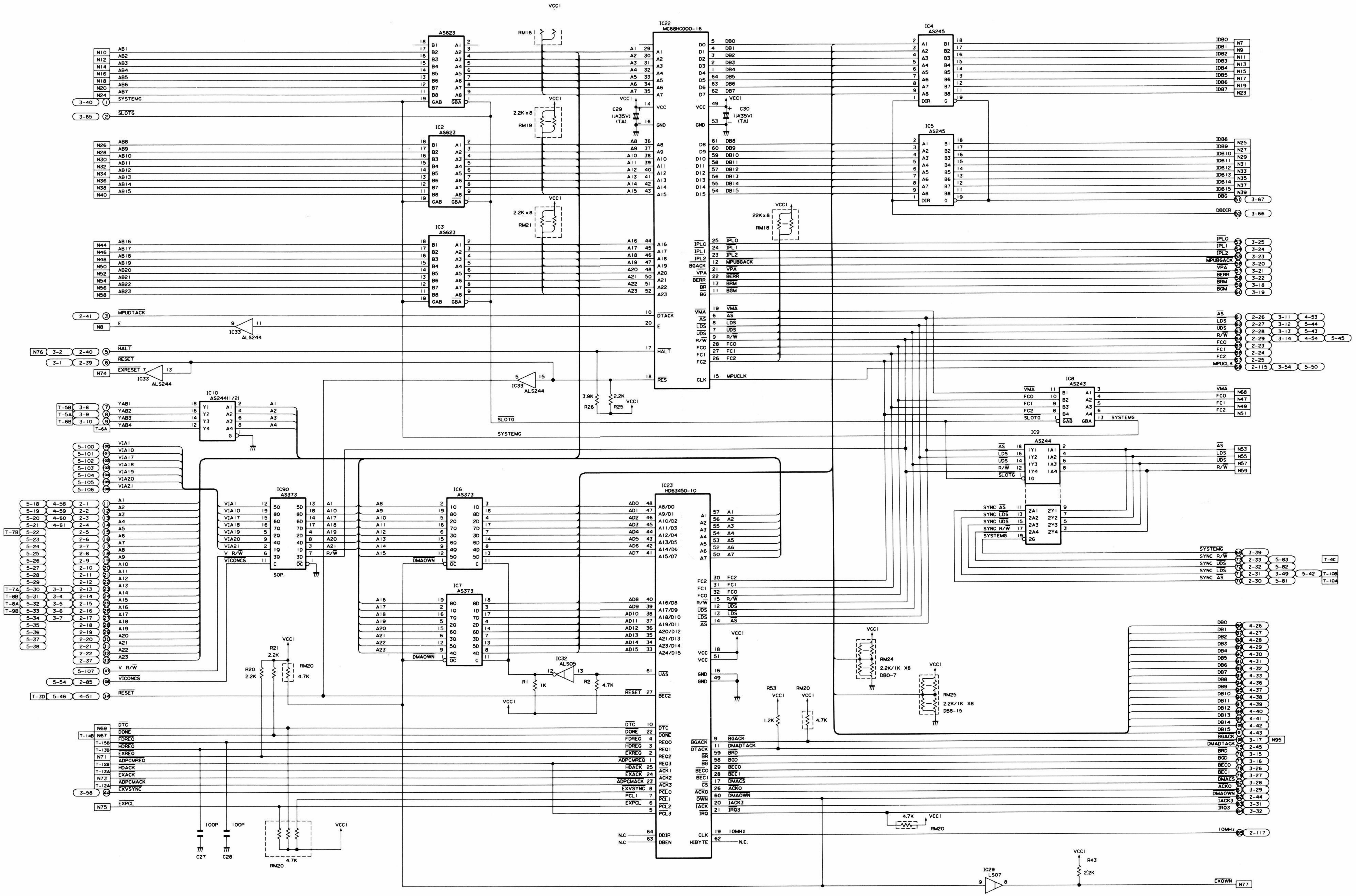
●CZ-600CE　サブ回路図



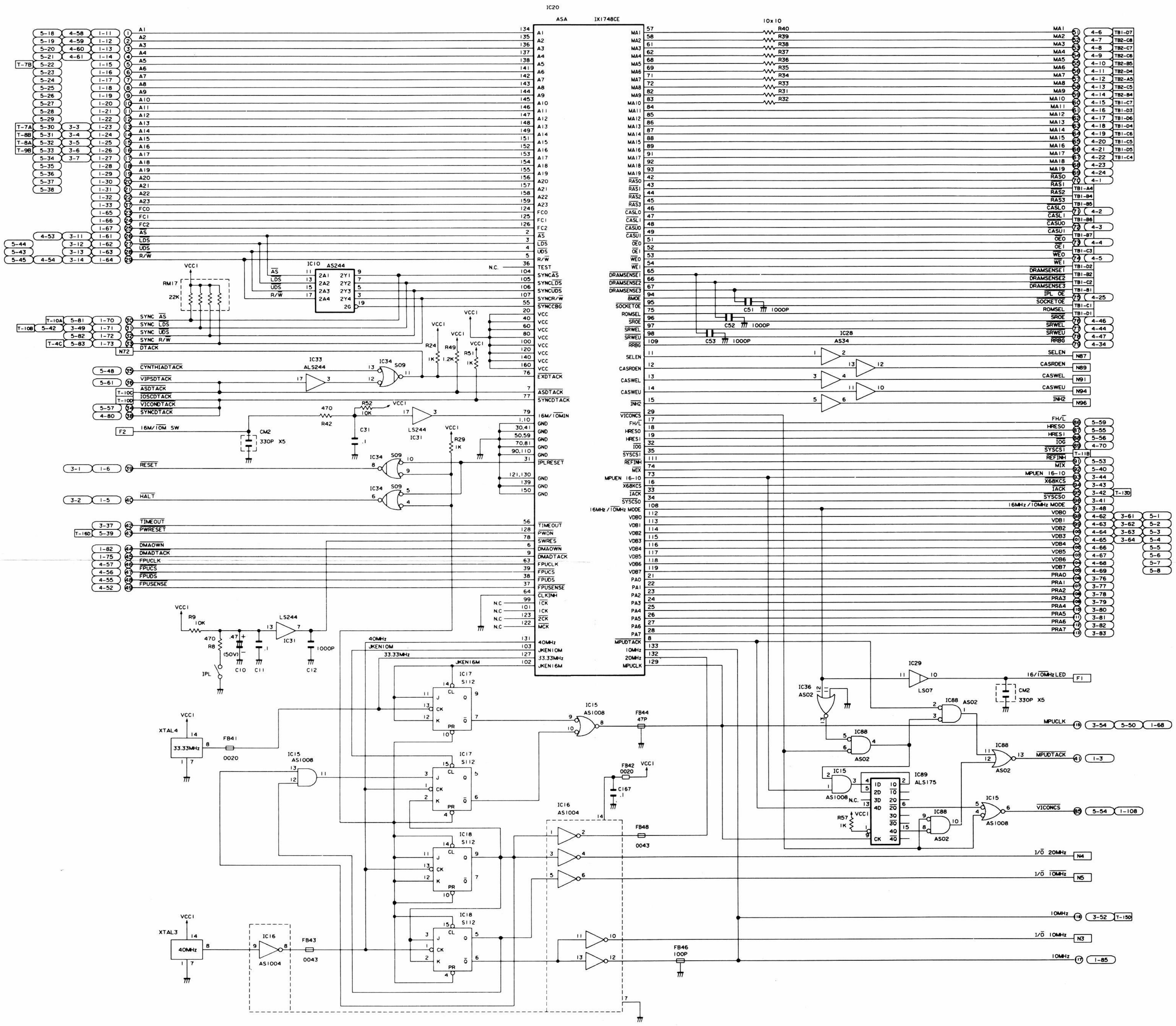
●CZ-600CE　コントロール回路図



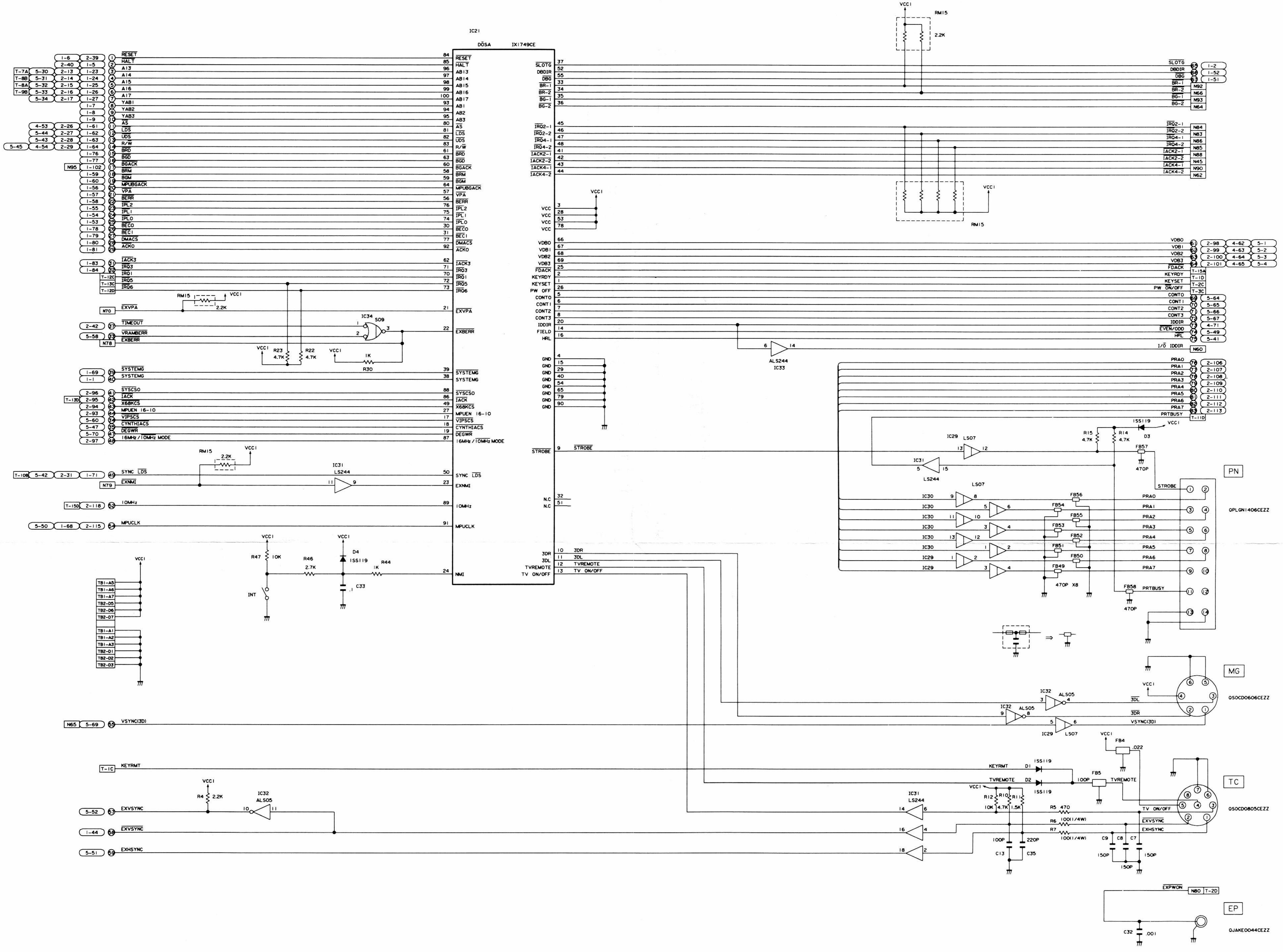
●CZ-634C-TN/644C-TN　メイン回路図（1）



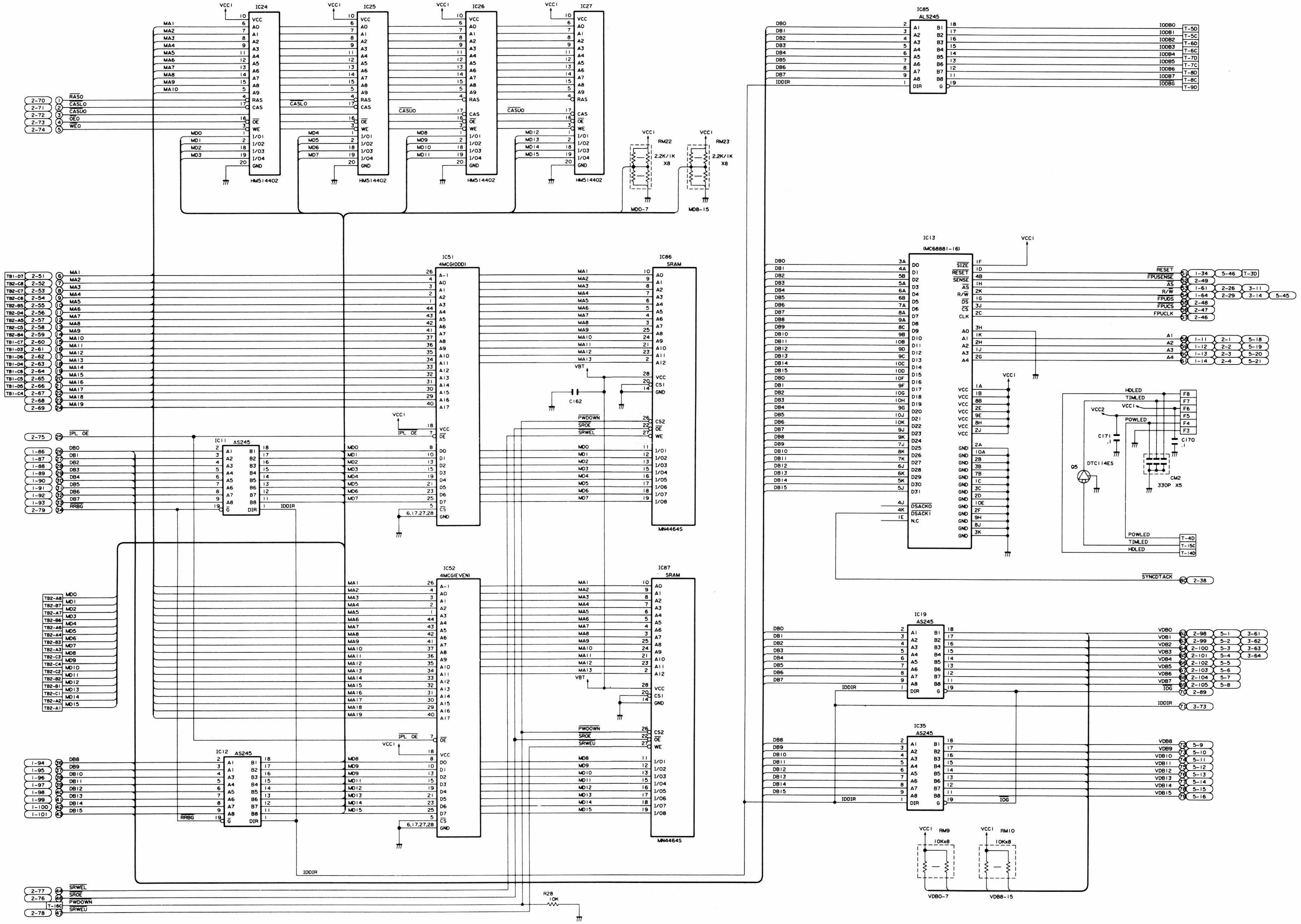
●CZ-634C-TN/644C-TN メイン回路図（2）



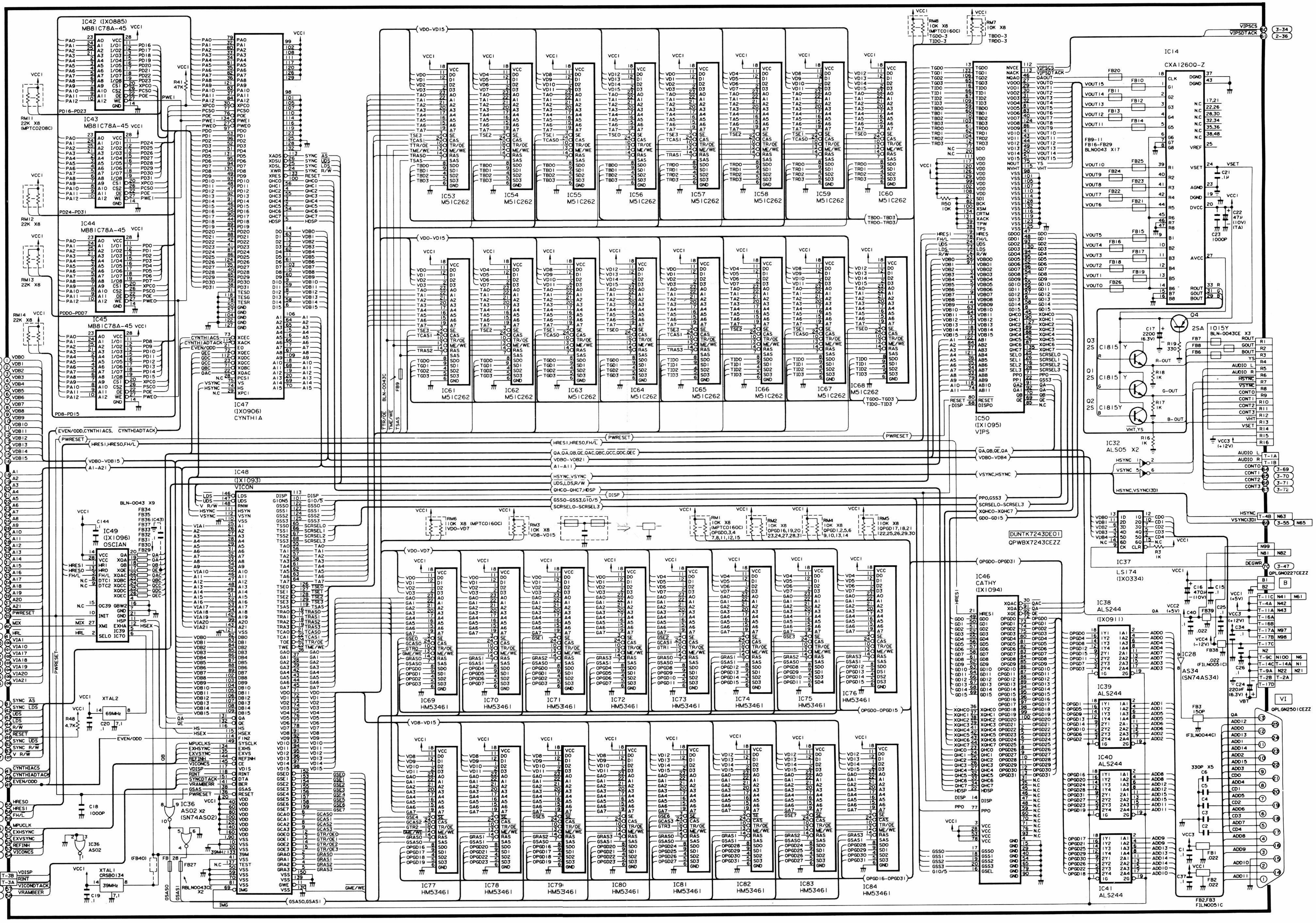
●CZ-634C-TN/644C-TN　メイン回路図（3）



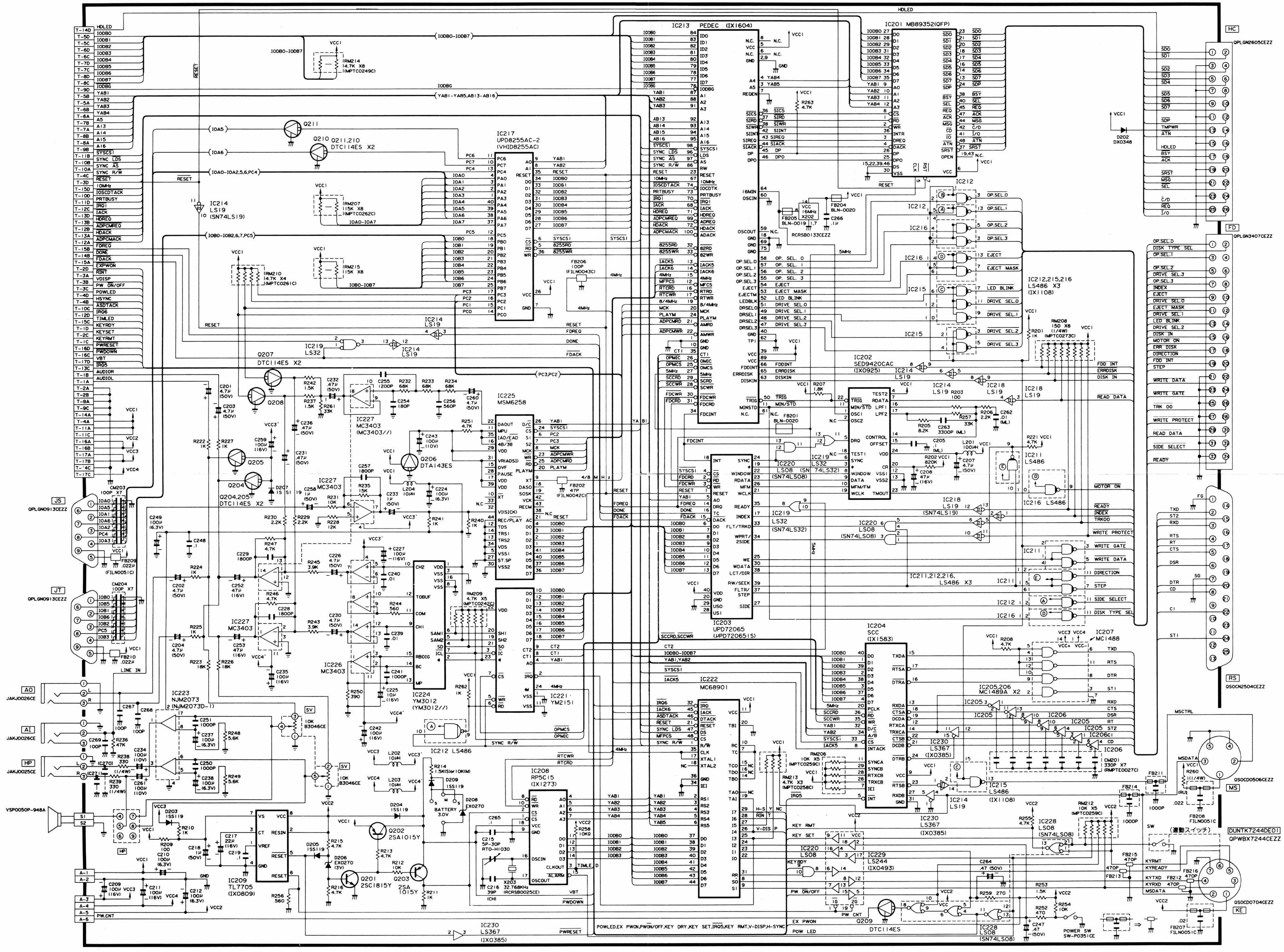
●CZ-634C-TN/644C-TN メイン回路図（4）



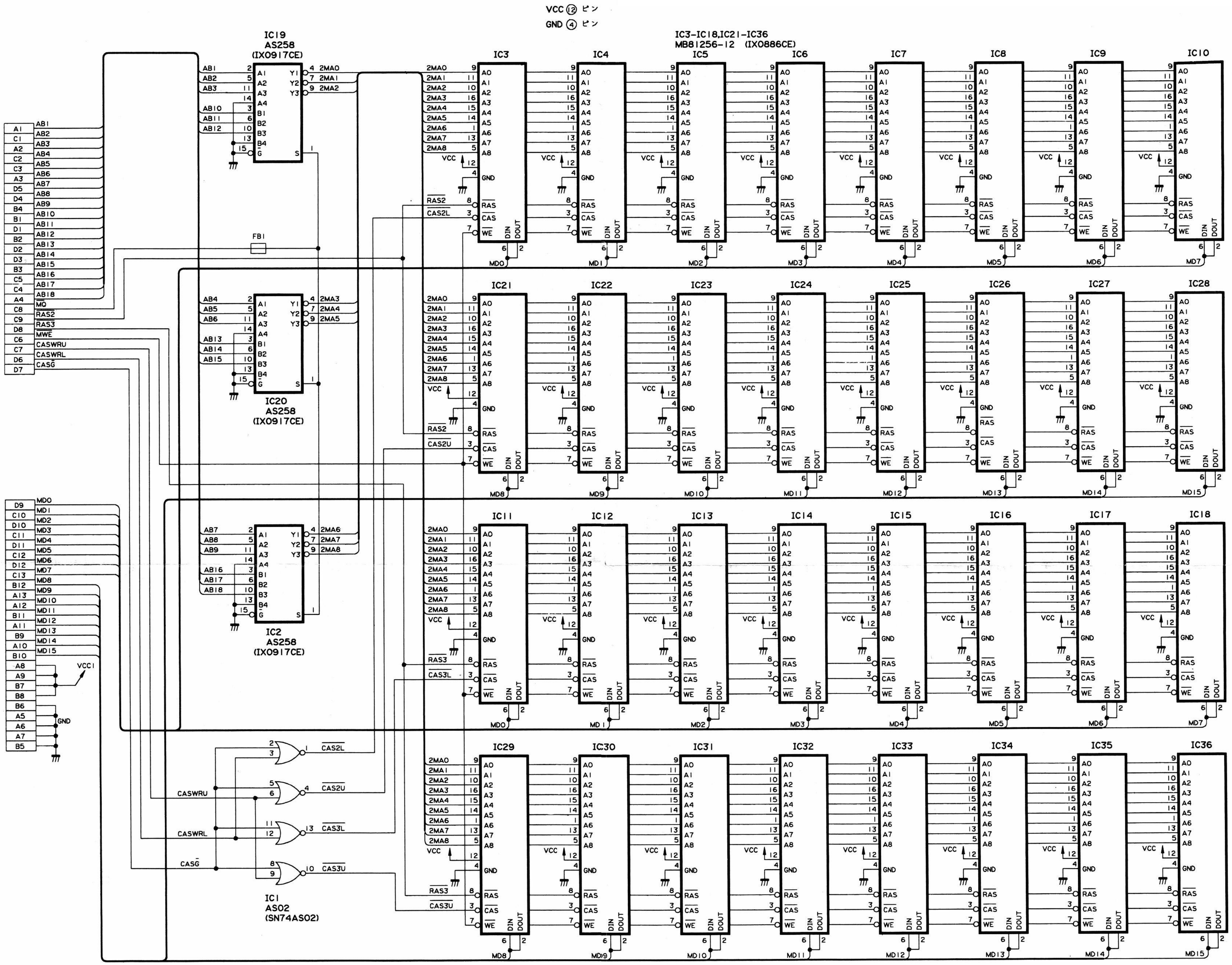
●CZ-634C-TN/644C-TN　メイン回路図 (5)



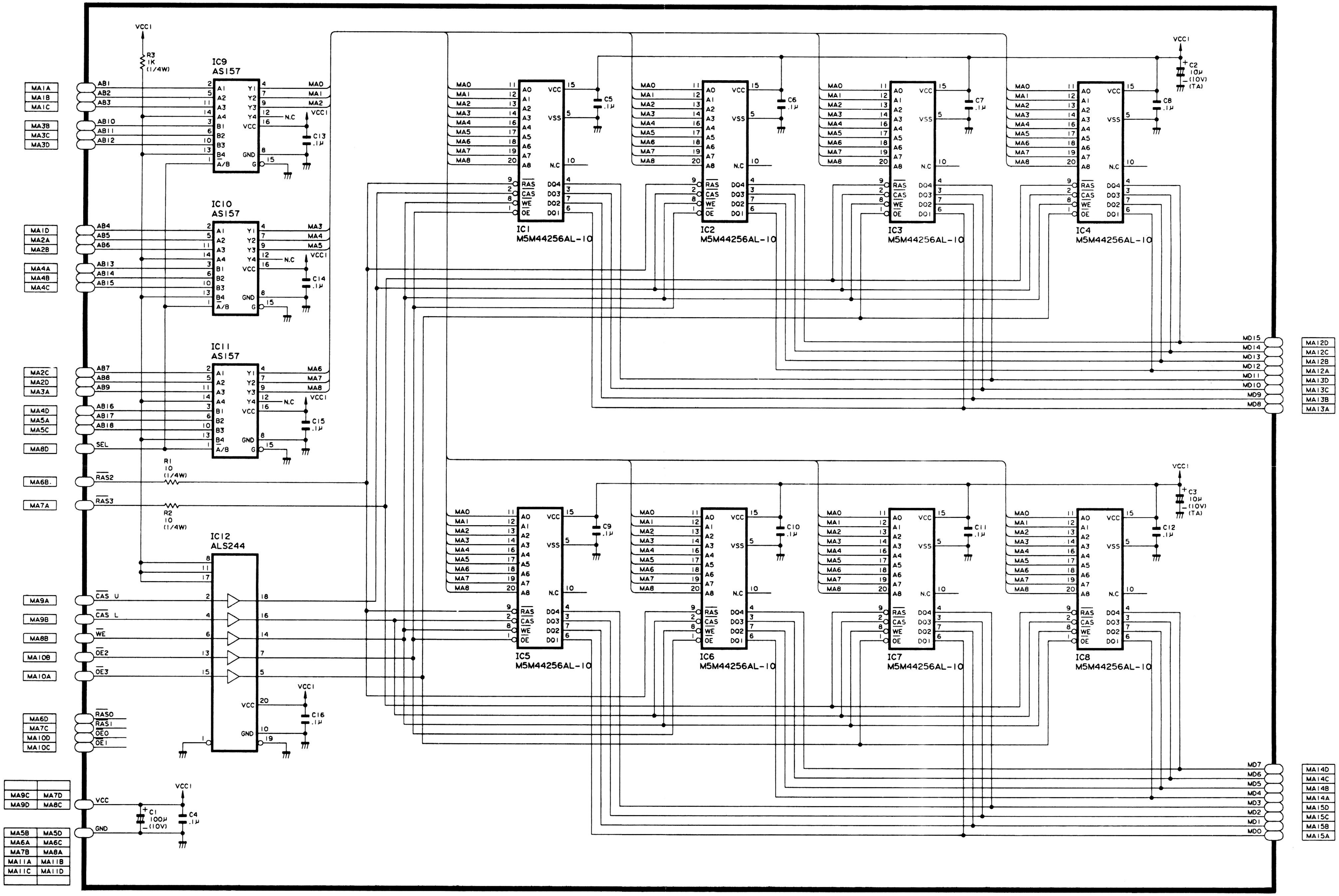
●CZ-634C-TN/644C-TN　コントロール回路図



●CZ-6BE1　回路図

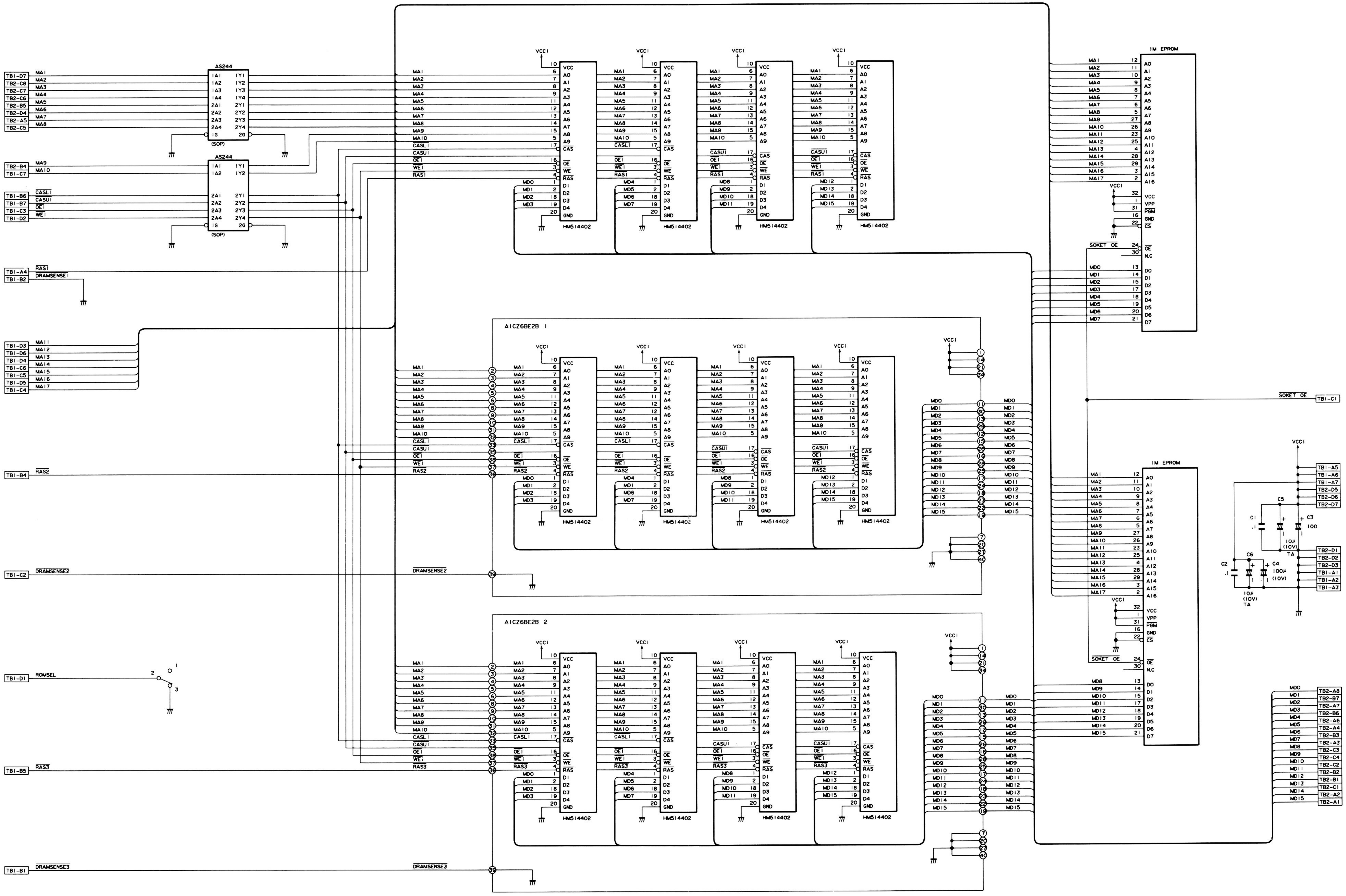

VCC ⑫ ピン
GND ④ ピン
IC3-IC18,IC21-IC36
MB81256-12 (IX0886CE)
IC19
AS258
(IX0917CE)
IC20
AS258
(IX0917CE)
IC2
AS258
(IX0917CE)
IC1
AS02
(SN74AS02)
FB1
VCC1
GND
CASWRU
CASWRL
CASG
CAS2L
CAS2U
CAS3L
CAS3U
RAS2
RAS3

●CZ-6BE1A　回路図

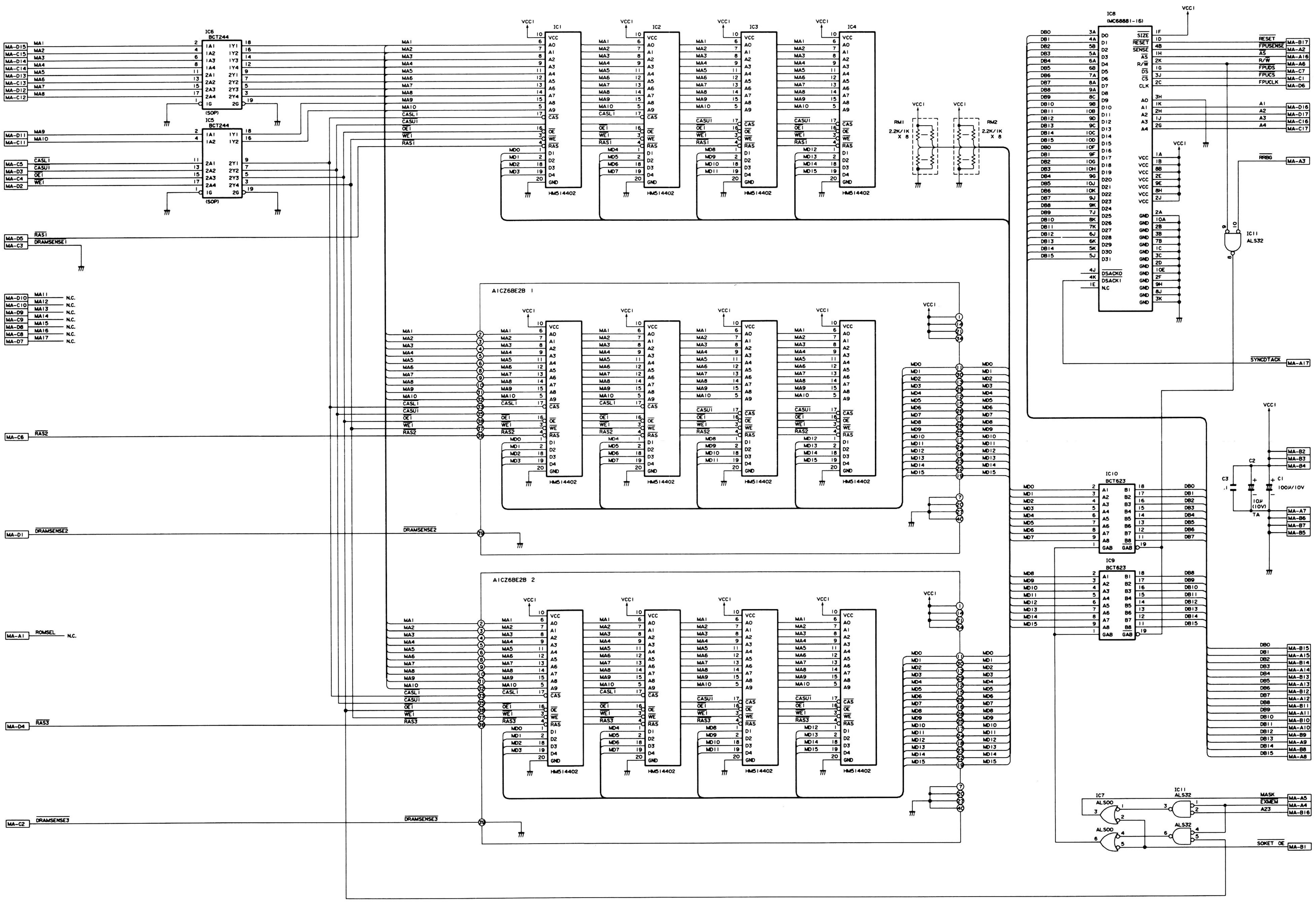


VCC1
R3 1K (1/4W)
IC9 AS157
IC10 AS157
IC11 AS157
IC12 ALS244
IC1 M5M44256AL-10
IC2 M5M44256AL-10
IC3 M5M44256AL-10
IC4 M5M44256AL-10
IC5 M5M44256AL-10
IC6 M5M44256AL-10
IC7 M5M44256AL-10
IC8 M5M44256AL-10
A1 A2 A3 A4 B1 B2 B3 B4 A/B Y1 Y2 Y3 Y4 VCC GND G N.C
A0 A1 A2 A3 A4 A5 A6 A7 A8 RAS CAS WE OE VCC VSS DQ4 DQ3 DQ2 DQ1
MA0 MA1 MA2 MA3 MA4 MA5 MA6 MA7 MA8
AB1 AB2 AB3 AB10 AB11 AB12
AB4 AB5 AB6 AB13 AB14 AB15
AB7 AB8 AB9 AB16 AB17 AB18
SEL
RAS2 RAS3
R1 10 (1/4W)
R2 10 (1/4W)
CAS U
CAS L
WE
OE2
OE3
RAS0 RAS1 OE0 OE1
VCC GND
C1 100μ (10V)
C2 10μ (10V) (TA)
C3 10μ (10V) (TA)
C4 .1μ
C5 .1μ
C6 .1μ
C7 .1μ
C8 .1μ
C9 .1μ
C10 .1μ
C11 .1μ
C12 .1μ
C13 .1μ
C14 .1μ
C15 .1μ
C16 .1μ
MA1A MA1B MA1C
MA3B MA3C MA3D
MA1D MA2A MA2B
MA4A MA4B MA4C
MA2C MA2D MA3A
MA4D MA5A MA5C
MA8D
MA6B.
MA7A
MA9A
MA9B
MA8B
MA10B
MA10A
MA6D MA7C MA10D MA10C
MA9C MA7D
MA9D MA8C
MA5B MA5D
MA6A MA6C
MA7B MA8A
MA11A MA11B
MA11C MA11D
MD15 MD14 MD13 MD12 MD11 MD10 MD9 MD8
MA12D MA12C MA12B MA12A MA13D MA13C MA13B MA13A
MD7 MD6 MD5 MD4 MD3 MD2 MD1 MD0
MA14D MA14C MA14B MA14A MA15D MA15C MA15B MA15A

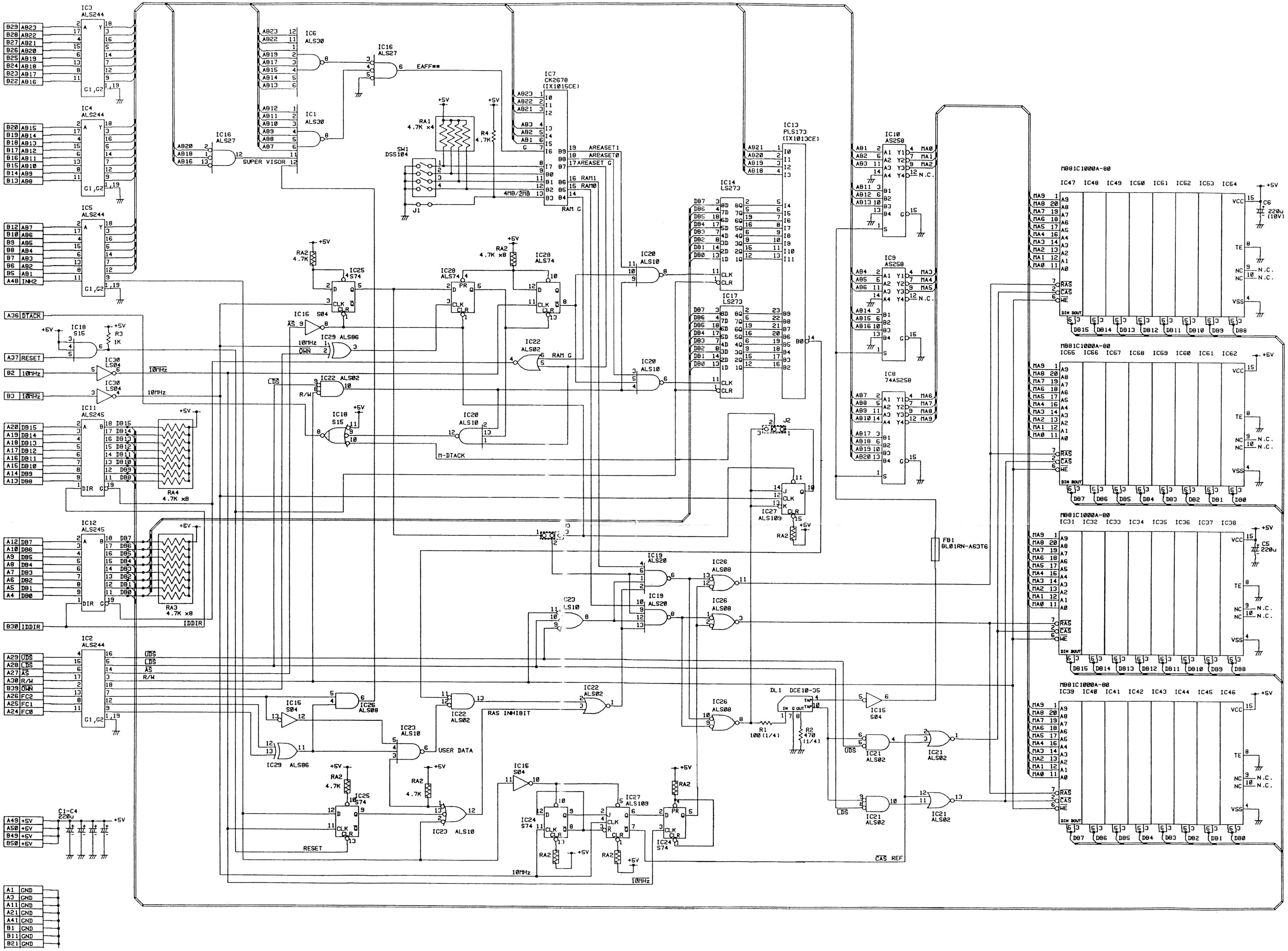
●CZ-6BE2A/B 回路図



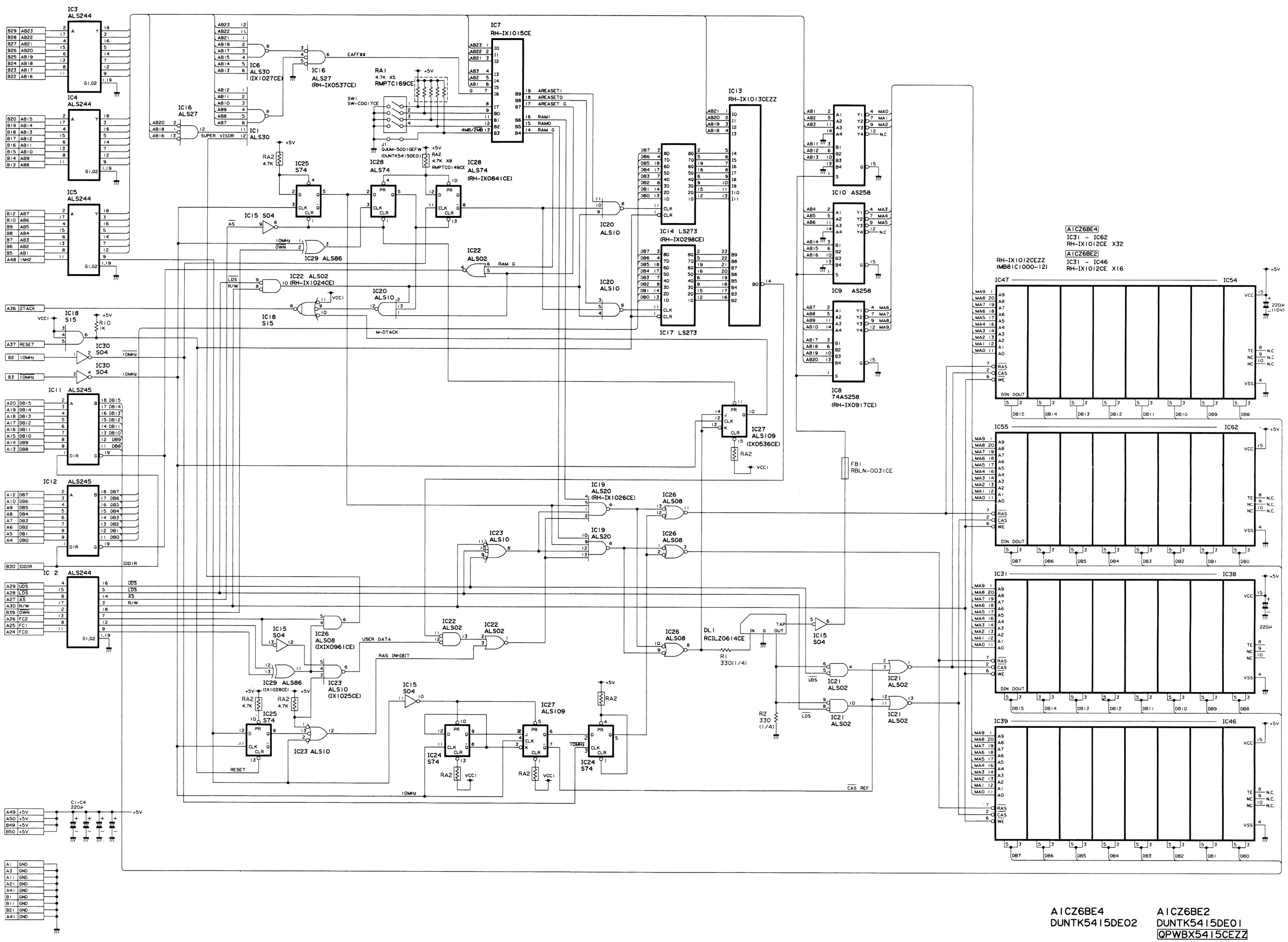
●CZ-6BE2D　回路図


IC6 BCT244 (SOP)
IC5 BCT244 (SOP)
IC1 HM514402
IC2 HM514402
IC3 HM514402
IC4 HM514402
IC8 (MC68881-16)
IC9 BCT623
IC10 BCT623
IC11 ALS32
IC7 ALS00
RM1 2.2K/1K X 8
RM2 2.2K/1K X 8
A1CZ6BE2B 1
A1CZ6BE2B 2
VCC1
C1 100μ/10V
C2 10μ (10V) TA
C3 .1
RAS1
DRAMSENSE1
RAS2
DRAMSENSE2
ROMSEL N.C.
RAS3
DRAMSENSE3
RESET
FPUSENSE
AS
R/W
FPUDS
FPUCS
FPUCLK
RRBG
SYNCDTACK
MASK
EXMEM
A23
SOKET OE

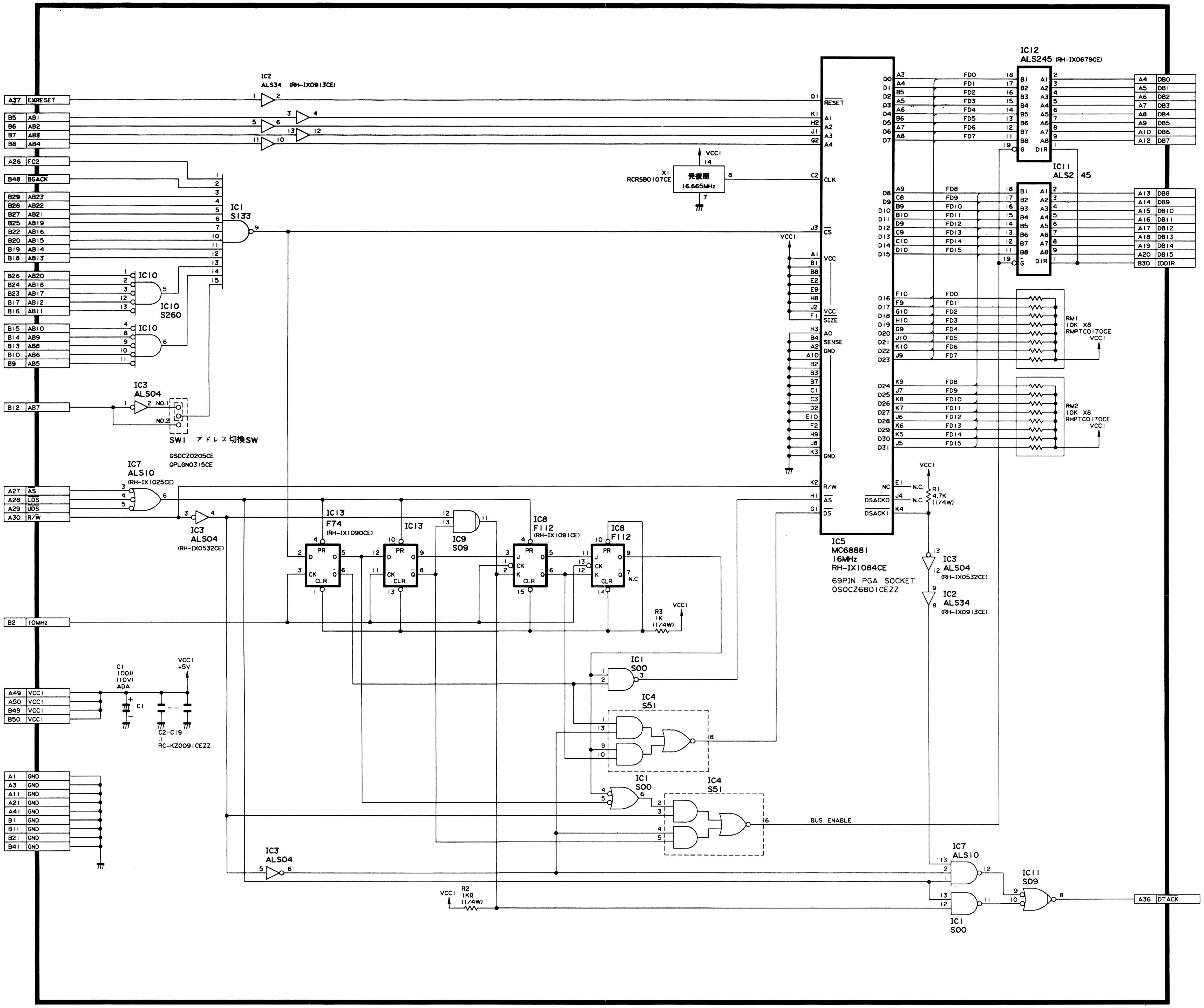
●CZ-6BE2/6BE4 回路図



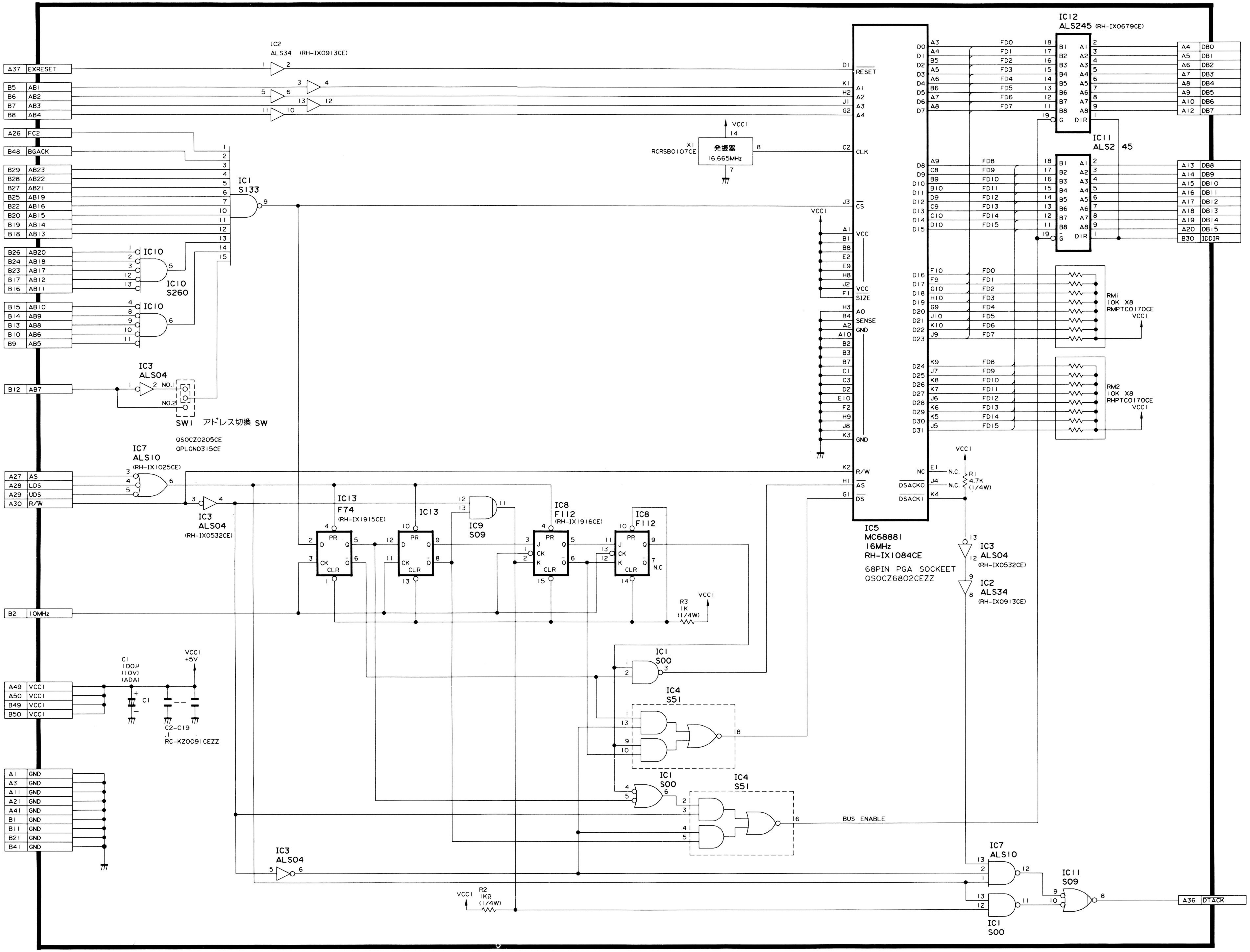
●CZ-6BE2C/6BE4C 回路図



●CZ-6BP1　回路図

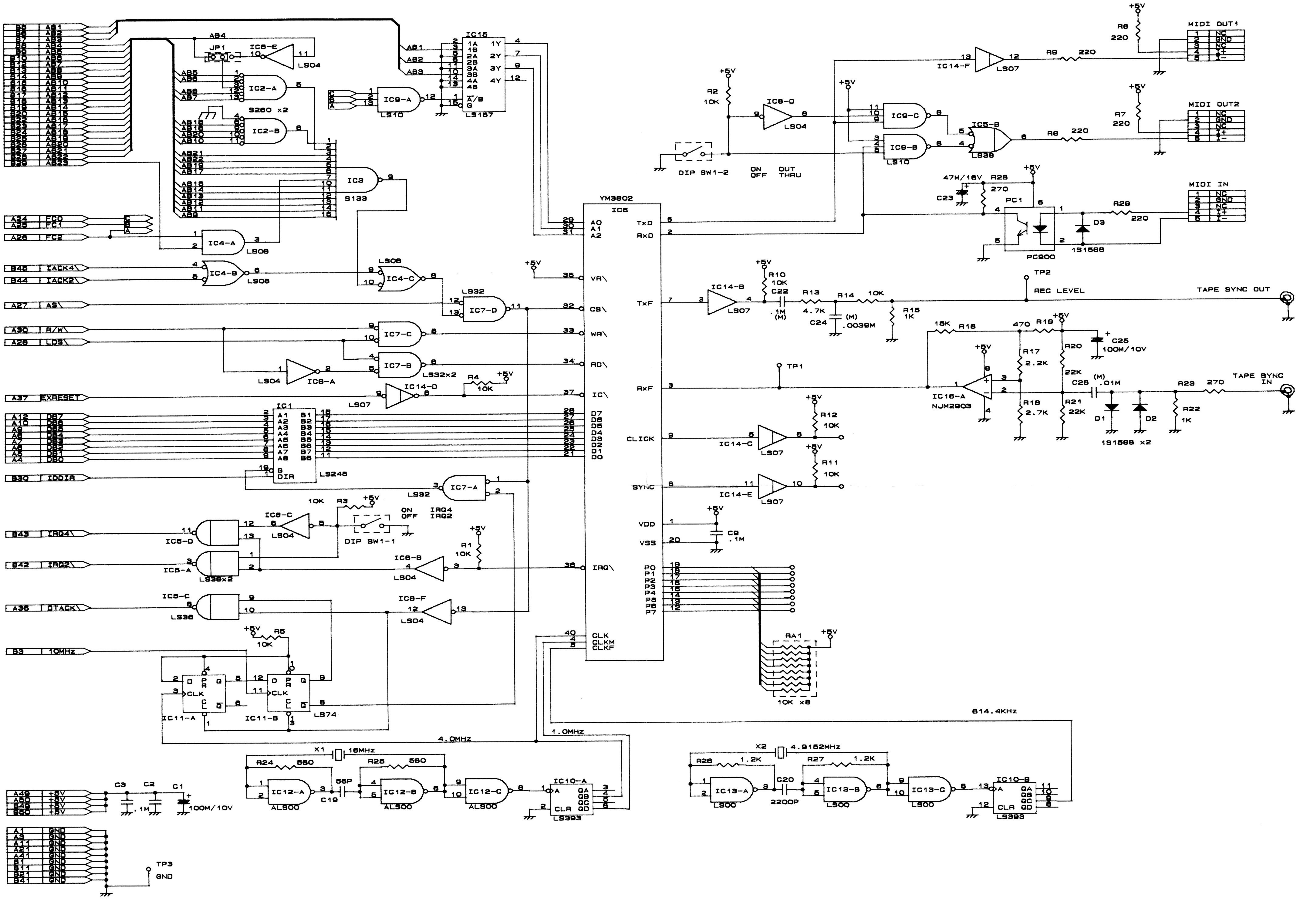

IC2 ALS34 (RH-IX0913CE)
A37 EXRESET
B5 AB1
B6 AB2
B7 AB3
B8 AB4
A26 FC2
B48 BGACK
B29 AB23
B28 AB22
B27 AB21
B25 AB19
B22 AB16
B20 AB15
B19 AB14
B18 AB13
B26 AB20
B24 AB18
B23 AB17
B17 AB12
B16 AB11
B15 AB10
B14 AB9
B13 AB8
B10 AB6
B9 AB5
B12 AB7
IC1 S133
IC10 S260
IC10
IC3 ALS04
NO.1
NO.2
SW1 アドレス切換SW
QS0CZ0205CE
QPLGN0315CE
IC7 ALS10 (RH-IX1025CE)
A27 AS
A28 LDS
A29 UDS
A30 R/W
IC3 ALS04 (RH-IX0532CE)
IC13 F74 (RH-IX1090CE)
IC13
IC9 S09
IC8 F112 (RH-IX1091CE)
IC8 F112
N.C
R3 1K (1/4W)
VCC1
B2 10MHz
C1 100μ (10V) ADA
VCC1 +5V
C2-C19 .1 RC-KZ0091CEZZ
A49 VCC1
A50 VCC1
B49 VCC1
B50 VCC1
A1 GND
A3 GND
A11 GND
A21 GND
A41 GND
B1 GND
B11 GND
B21 GND
B41 GND
IC1 S00
IC4 S51
BUS ENABLE
R2 1KΩ (1/4W)
X1 RCRS80107CE
発振器 16.665MHz
RESET
CLK
CS
VCC
SIZE
SENSE
GND
R/W
AS
DS
NC
DSACK0
DSACK1
IC5 MC68881 16MHz RH-IX1084CE
69PIN PGA SOCKET QS0CZ6801CEZZ
R1 4.7K (1/4W)
IC12 ALS245 (RH-IX0679CE)
IC11 ALS245
FD0 FD1 FD2 FD3 FD4 FD5 FD6 FD7
FD8 FD9 FD10 FD11 FD12 FD13 FD14 FD15
A4 DB0
A5 DB1
A6 DB2
A7 DB3
A8 DB4
A9 DB5
A10 DB6
A12 DB7
A13 DB8
A14 DB9
A15 DB10
A16 DB11
A17 DB12
A18 DB13
A19 DB14
A20 DB15
B30 IDDIR
RM1 10K X8 RMPTC0170CE
RM2 10K X8 RHPTC0170CE
IC3 ALS04 (RH-IX0532CE)
IC2 ALS34 (RH-IX0913CE)
IC7 ALS10
IC11 S09
IC1 S00
A36 DTACK

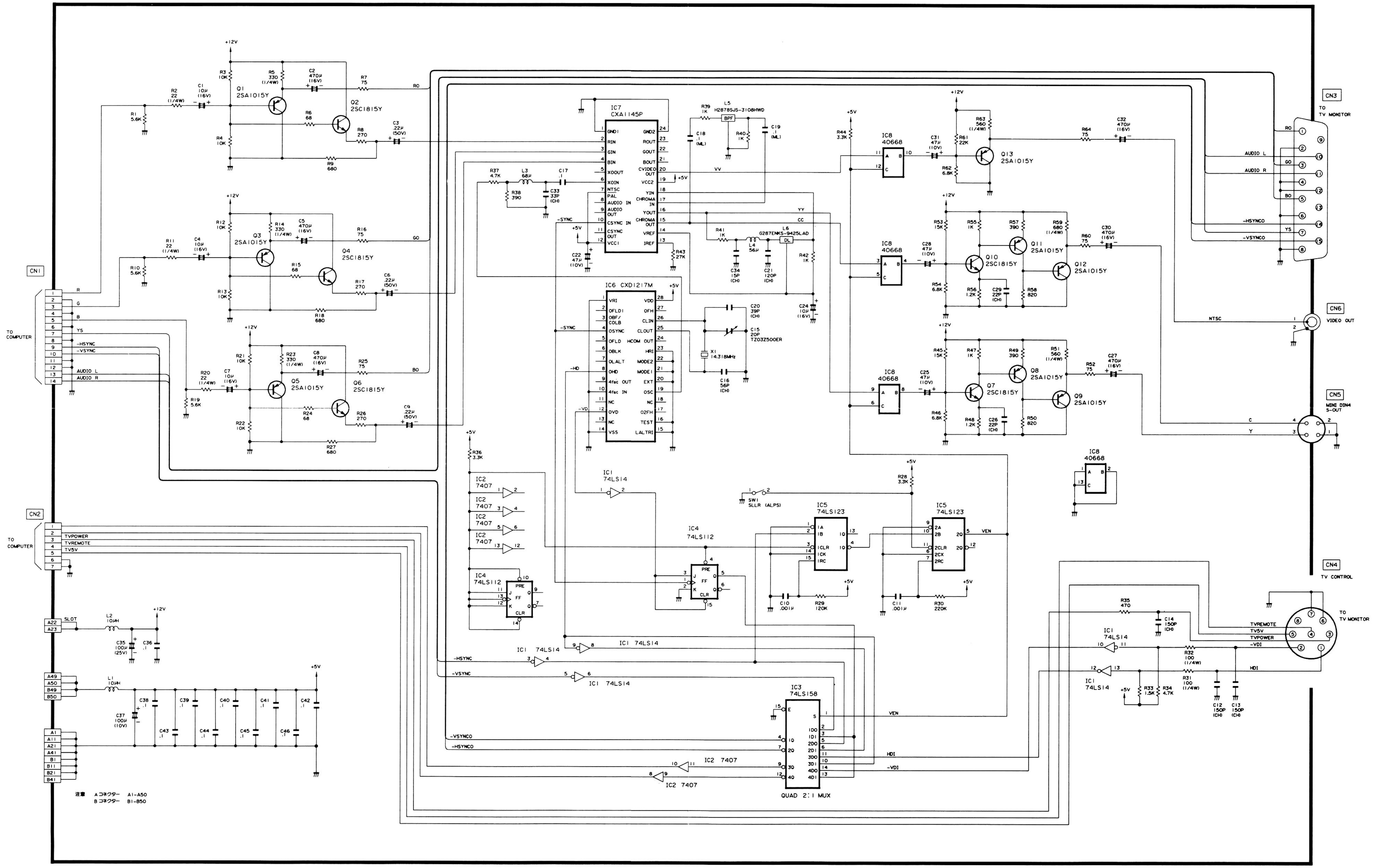
●CZ-6BP1A 回路図



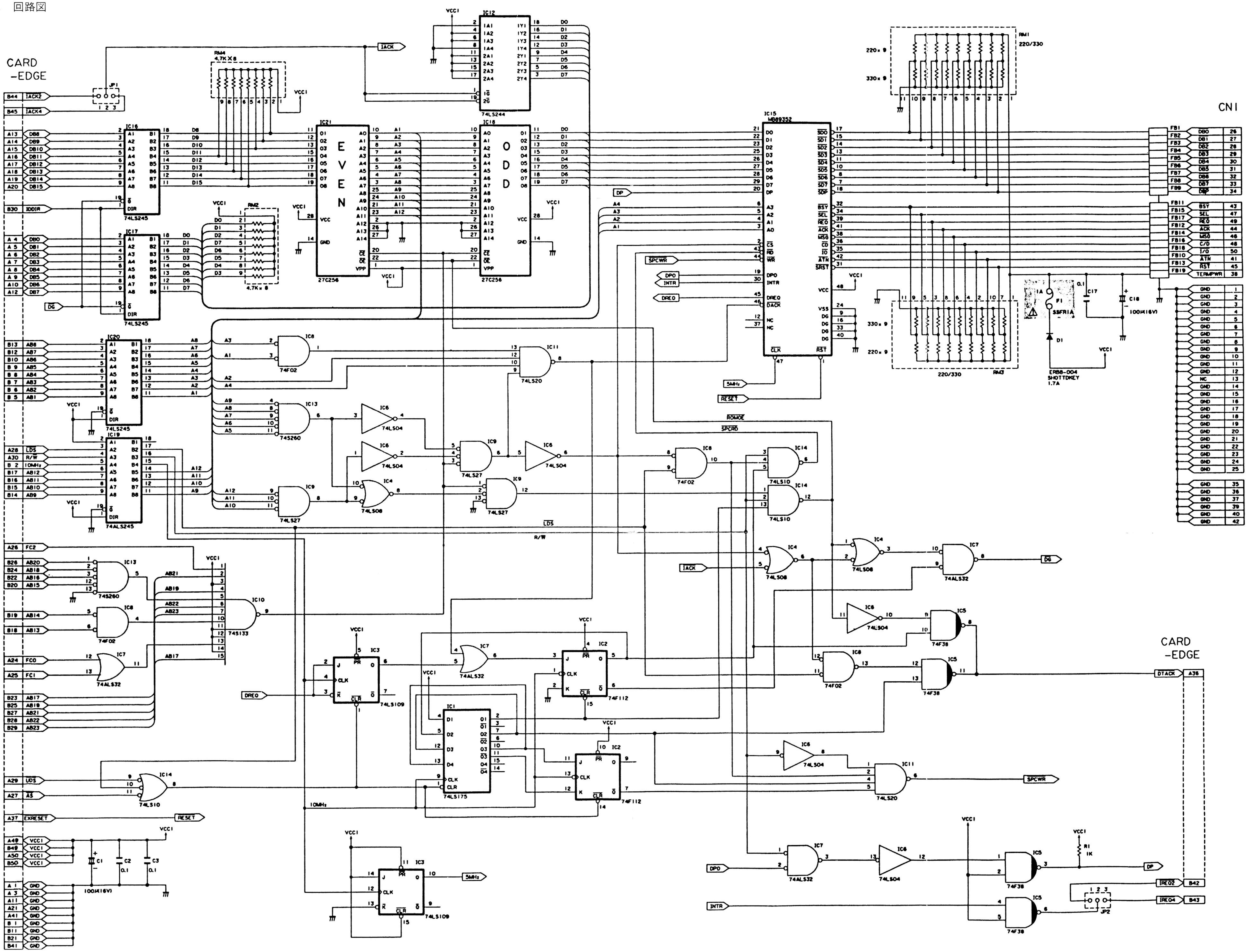
A37 EXRESET
B5 AB1
B6 AB2
B7 AB3
B8 AB4
A26 FC2
B48 BGACK
B29 AB23
B28 AB22
B27 AB21
B25 AB19
B22 AB16
B20 AB15
B19 AB14
B18 AB13
B26 AB20
B24 AB18
B23 AB17
B17 AB12
B16 AB11
B15 AB10
B14 AB9
B13 AB8
B10 AB6
B9 AB5
B12 AB7
A27 AS
A28 LDS
A29 UDS
A30 R/W
B2 10MHz
A49 VCC1
A50 VCC1
B49 VCC1
B50 VCC1
A1 GND
A3 GND
A11 GND
A21 GND
A41 GND
B1 GND
B11 GND
B21 GND
B41 GND
IC2 ALS34 (RH-IX0913CE)
IC1 S133
IC10
IC10 S260
IC3 ALS04
SW1 アドレス切換 SW
NO.1
NO.2
QSOCZ0205CE
QPLGN0315CE
IC7 ALS10 (RH-IX1025CE)
IC3 ALS04 (RH-IX0532CE)
IC13 F74 (RH-IX1915CE)
IC13
IC9 S09
IC8 F112 (RH-IX1916CE)
IC8 F112
N.C
R3 1K (1/4W)
VCC1
C1 100μ (10V) (ADA)
VCC1 +5V
C2-C19 .1 RC-KZ0091CEZZ
IC1 S00
IC4 S51
BUS ENABLE
R2 1KΩ (1/4W)
X1 RCRSB0107CE
発振器 16.665MHz
RESET
CLK
CS
VCC
SIZE
A0
SENSE
GND
R/W
AS
DS
NC
DSACK0
DSACK1
N.C.
R1 4.7K (1/4W)
IC5 MC68881 16MHz RH-IX1084CE
68PIN PGA SOCKEET QSOCZ6802CEZZ
IC12 ALS245 (RH-IX0679CE)
IC11 ALS2 45
DIR
RM1 10K X8 RMPTC0170CE
RM2 10K X8 RHPTC0170CE
IC2 ALS34 (RH-IX0913CE)
IC7 ALS10
IC11 S09
A4 DB0
A5 DB1
A6 DB2
A7 DB3
A8 DB4
A9 DB5
A10 DB6
A12 DB7
A13 DB8
A14 DB9
A15 DB10
A16 DB11
A17 DB12
A18 DB13
A19 DB14
A20 DB15
B30 IDDIR
A36 DTACK

●CZ-6BM1　回路図


YM3802
IC6
MIDI OUT1
MIDI OUT2
MIDI IN
TAPE SYNC OUT
TAPE SYNC IN
REC LEVEL
DIP SW1-2
DIP SW1-1
614.4KHz
4.0MHz
1.0MHz
16MHz
4.9152MHz

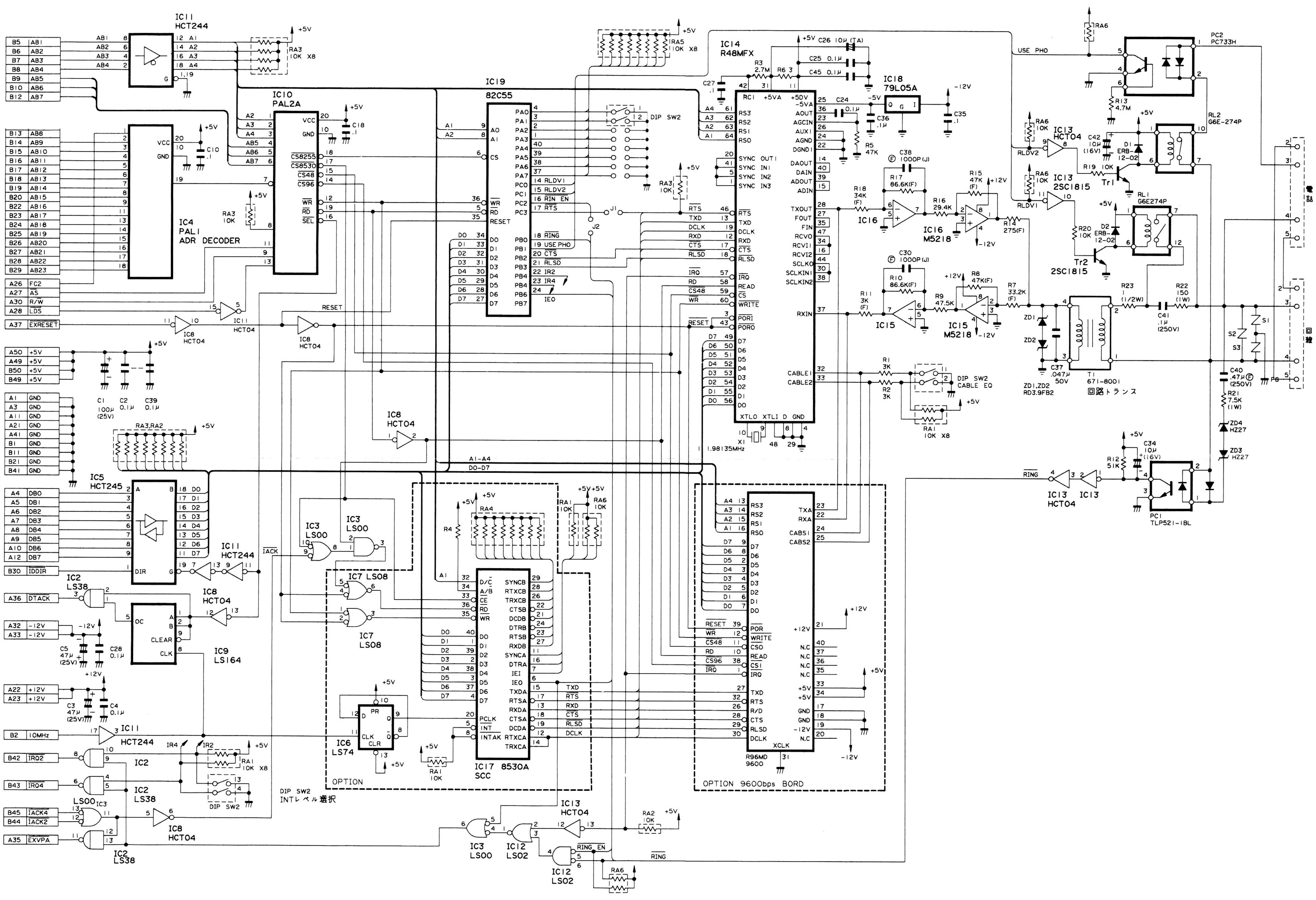

CN1
TO COMPUTER
R
G
B
YS
-HSYNC
-VSYNC
AUDIO L
AUDIO R
+12V
R1 5.6K
R2 22 (1/4W)
C1 10µ (16V)
R3 10K
R4 10K
R5 330 (1/4W)
C2 470µ (16V)
R7 75
Q1 2SA1015Y
Q2 2SC1815Y
R6 68
R8 270
C3 .22µ (50V)
R9 680
RO
R10 5.6K
R11 22 (1/4W)
C4 10µ (16V)
R12 10K
R13 10K
R14 330 (1/4W)
C5 470µ (16V)
R16 75
Q3 2SA1015Y
Q4 2SC1815Y
R15 68
R17 270
C6 .22µ (50V)
R18 680
GO
R19 5.6K
R20 22 (1/4W)
C7 10µ (16V)
R21 10K
R22 10K
R23 330 (1/4W)
C8 470µ (16V)
R25 75
Q5 2SA1015Y
Q6 2SC1815Y
R24 68
R26 270
C9 .22µ (50V)
R27 680
BO
IC7 CXA1145P
GND1
RIN
GIN
BIN
XOOUT
XOIN
NTSC
PAL
AUDIO IN
AUDIO OUT
CSYNC IN
CSYNC OUT
VCC1
GND2
ROUT
GOUT
BOUT
CVIDEO OUT
VCC2
YIN
CHROMA IN
YOUT
CHROMA OUT
VREF
IREF
R37 4.7K
L3 68µ
C17 .1
R38 390
C33 33P (CH)
C22 47µ (10V)
R43 27K
-SYNC
+5V
R39 1K
L5 H2878SJS-3108HWD
BPF
R40 1K
C18 .1 (ML)
C19 .1 (ML)
VV
YY
CC
R41 1K
L4 56µ
L6 G287ENKS-9425LAD
DL
C34 15P (CH)
C21 120P (CH)
R42 1K
C24 10µ (16V)
IC6 CXD1217M
VRI
OFLD1
OBF/COLB
OSYNC
OFLD
OBLK
OLALT
OHD
4fsc OUT
4fsc IN
NC
OVD
VSS
VDD
OFH
CLIN
CLOUT
HCOM OUT
HRI
MODE2
MODE1
EXT
OSC
O2FH
TEST
LALTRI
-HD
-VD
C20 39P (CH)
C15 20P TZ03Z500ER
X1 14.318MHz
C16 56P (CH)
R44 3.3K
IC8 40668
C31 47µ (10V)
R61 22K
R62 6.8K
R63 560 (1/4W)
Q13 2SA1015Y
R64 75
C32 470µ (16V)
R53 15K
R54 6.8K
R55 1K
R56 1.2K
R57 390
R58 820
R59 680 (1/4W)
C28 47µ (10V)
C29 22P (CH)
Q10 2SC1815Y
Q11 2SA1015Y
Q12 2SA1015Y
R60 75
C30 470µ (16V)
R45 15K
R46 6.8K
R47 1K
R48 1.2K
R49 390
R50 820
R51 560 (1/4W)
C25 47µ (10V)
C26 22P (CH)
Q7 2SC1815Y
Q8 2SA1015Y
Q9 2SA1015Y
R52 75
C27 470µ (16V)
CN3
TO TV MONITOR
AUDIO L
AUDIO R
-HSYNCO
-VSYNCO
CN6
VIDEO OUT
NTSC
CN5
MINI DIN4 S-OUT
C
Y
R36 3.3K
IC2 7407
IC4 74LS112
PRE
FF
CLR
IC1 74LS14
SW1 SLLR (ALPS)
R28 3.3K
IC5 74LS123
C10 .001µ
R29 120K
C11 .001µ
R30 220K
VEN
IC3 74LS158
QUAD 2:1 MUX
HDI
-VDI
CN2
TO COMPUTER
TVPOWER
TVREMOTE
TV5V
SLOT
L2 10µH
C35 100µ (25V)
C36 .1
L1 10µH
C37 100µ (10V)
C38 .1
C39 .1
C40 .1
C41 .1
C42 .1
C43 .1
C44 .1
C45 .1
C46 .1
注意 A コネクター A1-A50
B コネクター B1-B50
CN4
TV CONTROL
TO TV MONITOR
R35 470
C14 150P (CH)
R32 100 (1/4W)
R31 100 (1/4W)
R33 1.5K
R34 4.7K
C12 150P (CH)
C13 150P (CH)

●CZ-6BS1 回路図

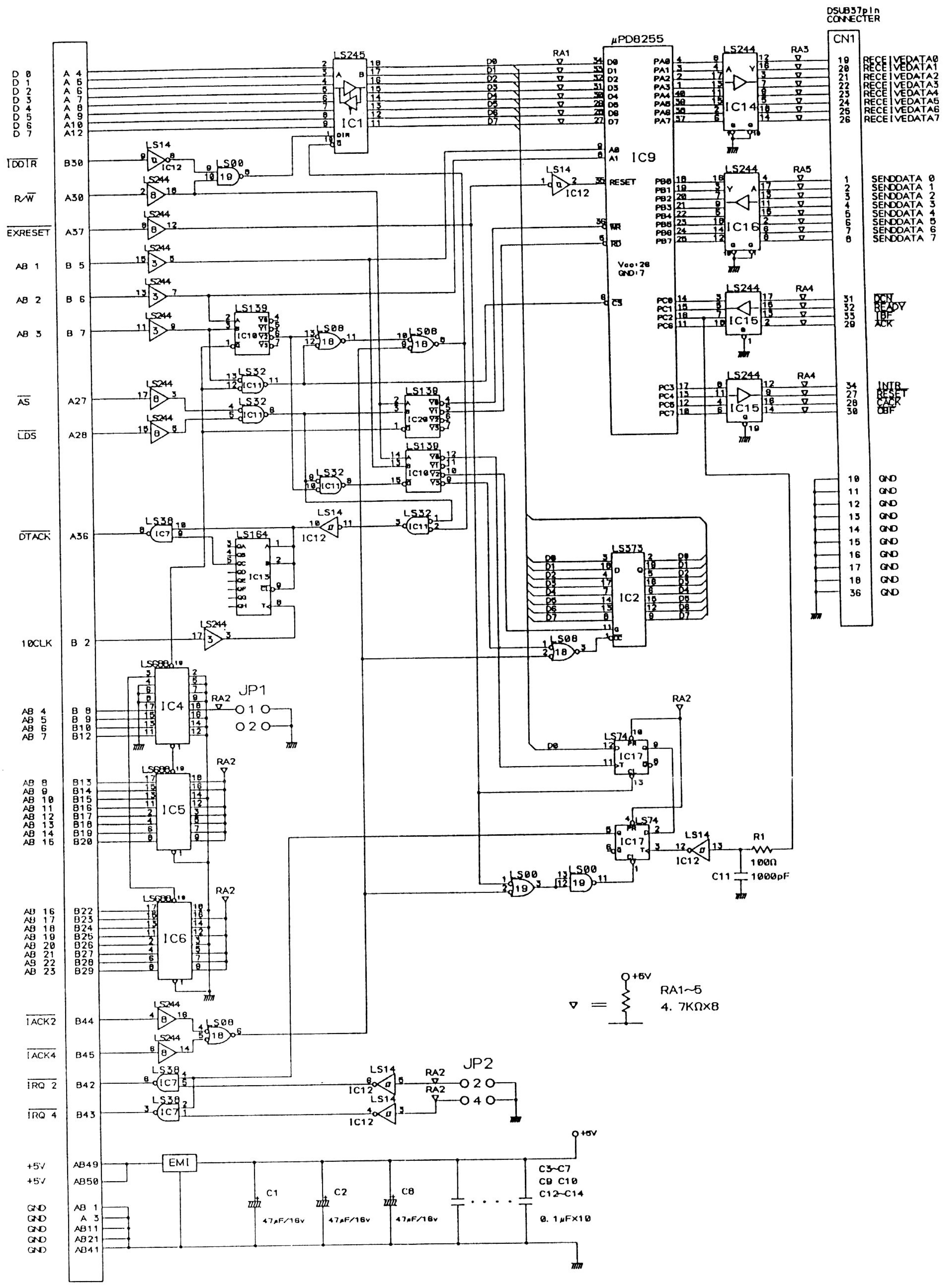


CARD
-EDGE
CN1
IC12 74LS244
IC16 74LS245
IC17 74LS245
IC20 74LS245
IC19 74ALS245
IC21 27C256 EVEN
IC18 27C256 ODD
IC15 MB89352
RM1 220/330
RM2 4.7K×8
RM3 220/330
RM4 4.7K×8
JP1
JP2
IC8 74F02
IC11 74LS20
IC13 74S260
IC6 74LS04
IC9 74LS27
IC4 74LS08
IC14 74LS10
IC7 74ALS32
IC10 74S133
IC3 74LS109
IC1 74LS175
IC2 74F112
IC5 74F38
F1 SSFR1A 1A
D1 ERB8-004 SHOTTOKEY 1.7A
C17 0.1
C18 100μ(16V)
C1 100μ(16V)
C2 0.1
C3 0.1
R1 1K
VCC1
IACK
DG
DP
DPO
INTR
DREQ
SPCWR
RESET
5MHz
10MHz
ROMOE
SPCRD
LDS
R/W
DTACK A36
IREQ2 B42
IREQ4 B43
TERMPWR

●CZ-BC1 回路図

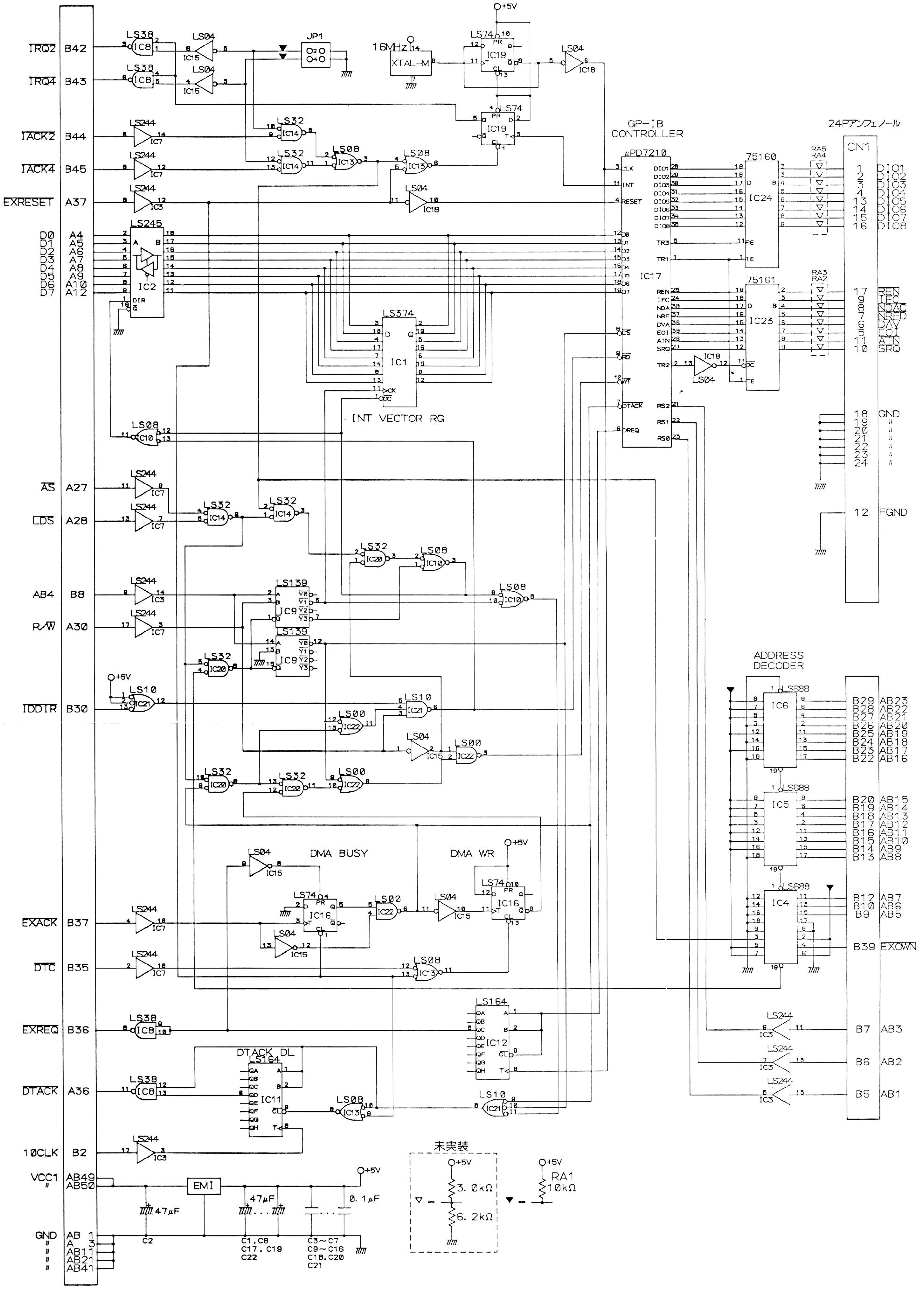

IC11 HCT244
RA3 10K X8
IC10 PAL2A
IC19 82C55
RA5 10K X8
DIP SW2
IC14 R48MFX
IC18 79L05A
C26 10μ (TA)
C25 0.1μ
C45 0.1μ
R3 2.7M
R6 3
IC4 PAL1 ADR DECODER
IC16 M5218
IC15 M5218
R17 86.6K(F)
R10 86.6K(F)
C38 1000P(J)
C30 1000P(J)
DIP SW2 CABLE EQ
RA1 10K X8
X1 11.98135MHz
PC2 PC733H
RL2 G6E-274P
RL1 G6E274P
IC13 HCT04
IC13 2SC1815
Tr1
Tr2 2SC1815
R19 10K
R20 10K
D1 ERB-12-02
D2 ERB-12-02
R13 4.7M
T1 671-8001
回路トランス
ZD1,ZD2 RD3.9FB2
C37 .047μ 50V
C41 .1μ (250V)
R23 1 (1/2W)
R22 150 (1W)
C40 .47μ (250V)
R21 7.5K (1W)
ZD4 HZ27
ZD3 HZ27
PC1 TLP521-1BL
R12 51K
C34 10μ (16V)
電話
回線
IC5 HCT245
IC2 LS38
IC9 LS164
IC8 HCT04
IC3 LS00
IC7 LS08
IC6 LS74
IC17 8530A SCC
IC12 LS02
R96MD 9600
OPTION
OPTION 9600bps BORD
DIP SW2 INTレベル選択
C1 100μ (25V)
C2 0.1μ
C39 0.1μ
C5 47μ (25V)
C28 0.1μ
C3 47μ (25V)
C4 0.1μ
RA3,RA2
RA4
RA6 10K
RA2 10K
A1-A4
D0-D7

●CZ-6BN1　回路図

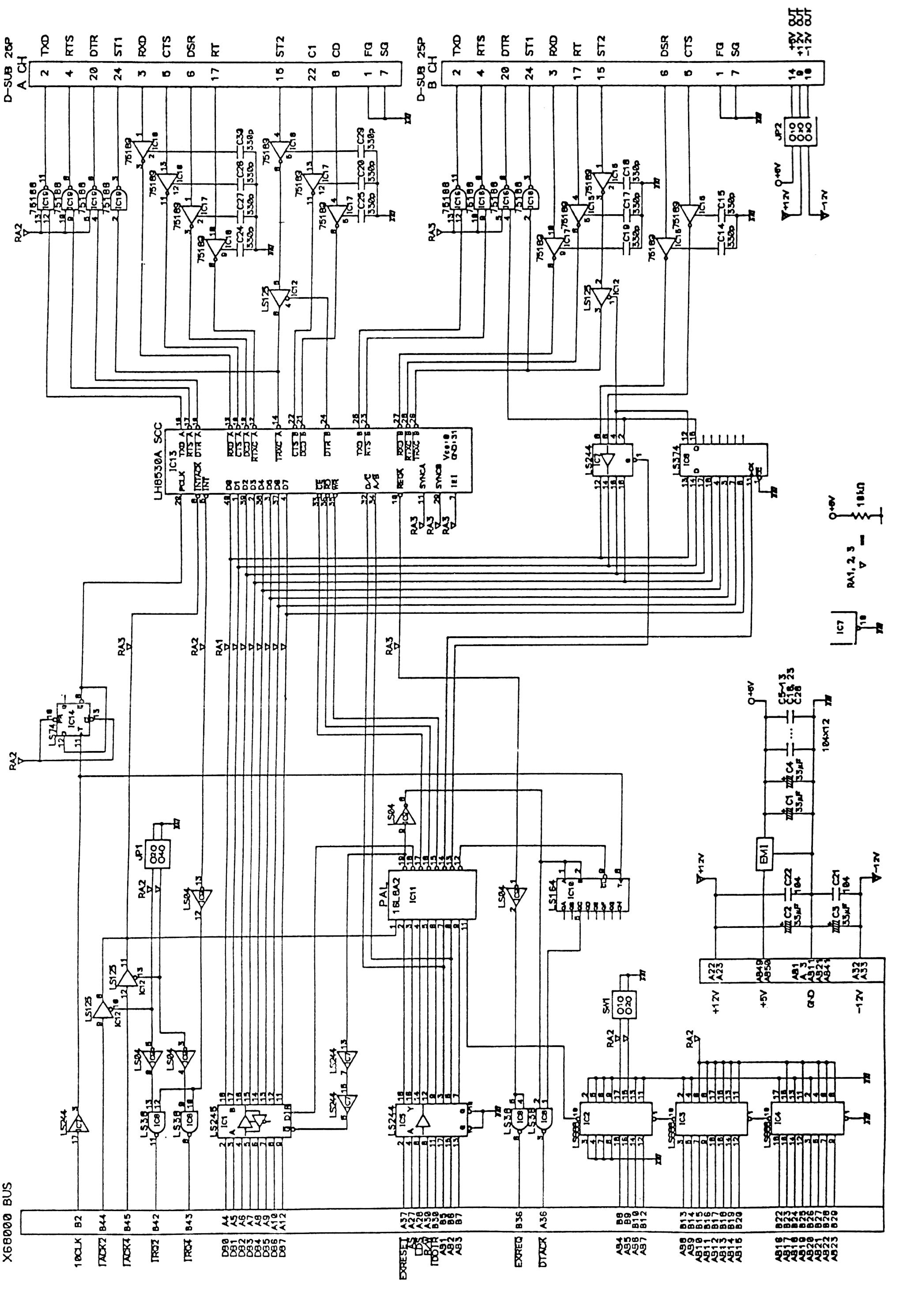


DSUB37pin CONNECTER
CN1
μPD8255
IC9
LS245
IC1
LS244
IC14
IC16
IC15
LS373
IC2
LS74
IC17
LS164
IC13
LS139
IC10
IC20
LS32
IC11
LS08
LS00
LS14
IC12
LS38
IC7
LS688
IC4
IC5
IC6
JP1
JP2
RA1
RA2
RA3
RA4
RA5
D 0 D 1 D 2 D 3 D 4 D 5 D 6 D 7
IDDIR
R/W
EXRESET
AB 1
AB 2
AB 3
AS
LDS
DTACK
10CLK
IACK2
IACK4
IRQ 2
IRQ 4
+5V
GND
RECEIVEDATA0
RECEIVEDATA1
RECEIVEDATA2
RECEIVEDATA3
RECEIVEDATA4
RECEIVEDATA5
RECEIVEDATA6
RECEIVEDATA7
SENDDATA 0
SENDDATA 1
SENDDATA 2
SENDDATA 3
SENDDATA 4
SENDDATA 5
SENDDATA 6
SENDDATA 7
DCN
READY
IBF
ACK
INTR
RESET
CACK
OBF
Vcc:26
GND:7
R1
100Ω
C11
1000pF
RA1~5
4. 7KΩ×8
EMI
C1
C2
C8
47μF/16v
C3~C7
C9 C10
C12~C14
0. 1μF×10
+5V

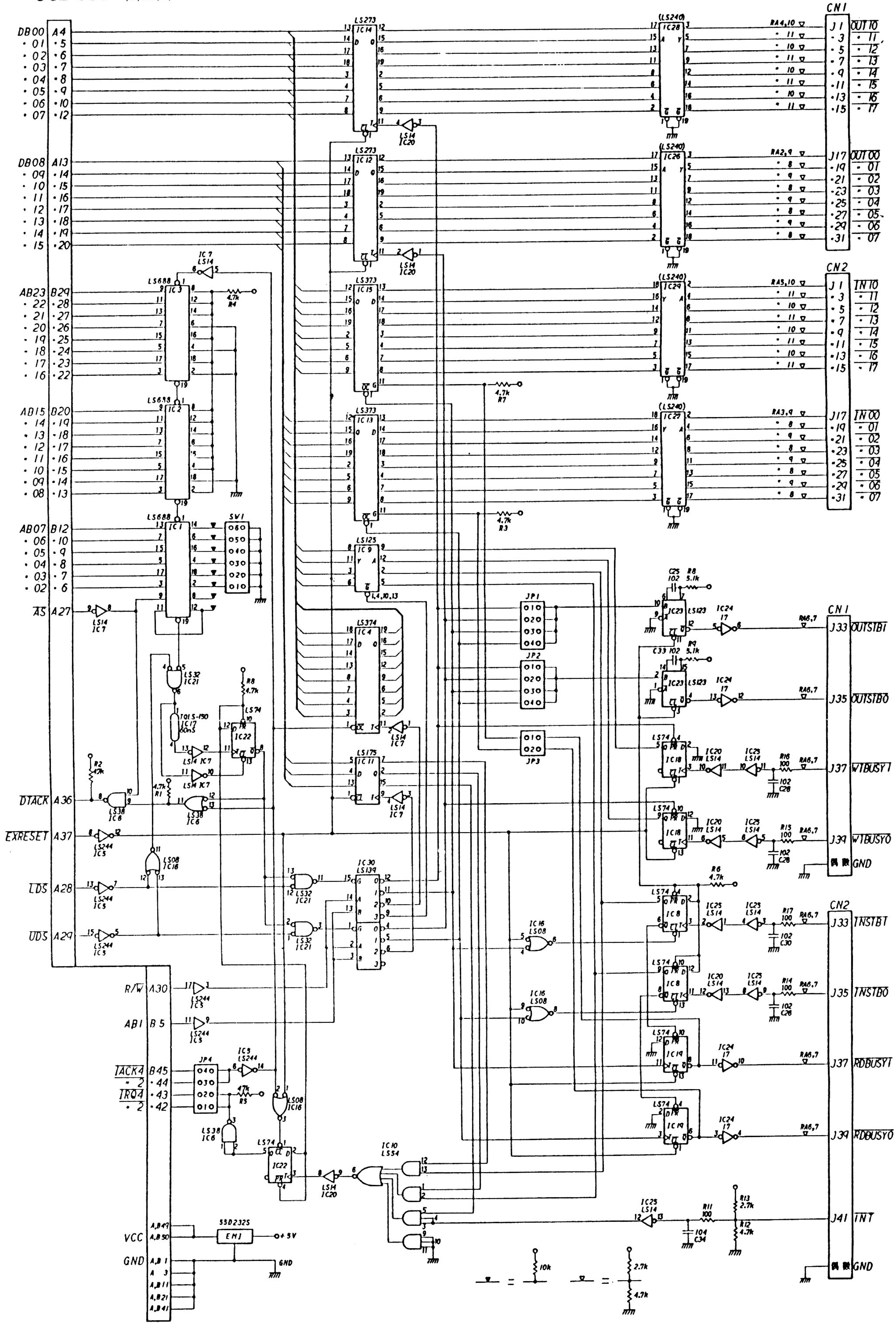
●CZ-6BG1 回路図


IRQ2 B42
IRQ4 B43
IACK2 B44
IACK4 B45
EXRESET A37
D0 A4
D1 A5
D2 A6
D3 A7
D4 A8
D5 A9
D6 A10
D7 A12
AS A27
LDS A28
AB4 B8
R/W A30
IDDTR B30
EXACK B37
DTC B35
EXREQ B36
DTACK A36
10CLK B2
VCC1 AB49
〃 AB50
GND AB 1
〃 A 3
〃 AB11
〃 AB21
〃 AB41
LS38
LS04
LS244
LS245
LS32
LS08
LS74
LS374
LS139
LS10
LS00
LS164
LS688
JP1
16MHz
XTAL-M
+5V
GP-IB
CONTROLLER
μPD7210
IC17
75160
IC24
75161
IC23
RA5
RA4
RA3
RA2
24Pアンフェノール
CN1
DIO1
DIO2
DIO3
DIO4
DIO5
DIO6
DIO7
DIO8
REN
IFC
NDAC
NRFD
DAV
EOI
ATN
SRQ
GND
FGND
INT VECTOR RG
DMA BUSY
DMA WR
DTACK DL
ADDRESS
DECODER
B29 AB23
B28 AB22
B27 AB21
B26 AB20
B25 AB19
B24 AB18
B23 AB17
B22 AB16
B20 AB15
B19 AB14
B18 AB13
B17 AB12
B16 AB11
B15 AB10
B14 AB9
B13 AB8
B12 AB7
B10 AB6
B9 AB5
B39 EXOWN
B7 AB3
B6 AB2
B5 AB1
EMI
47μF
0.1μF
C2
C1, C8
C17, C19
C22
C3～C7
C9～C16
C18, C20
C21
未実装
3.0kΩ
6.2kΩ
RA1
10kΩ

●CZ-6BF 回路図


D-SUB 25P A CH
D-SUB 25P B CH
TXD
RTS
DTR
ST1
RXD
CTS
DSR
RT
ST2
C1
CD
FG
SG
+5V OUT
+12V OUT
-12V OUT
JP2
75188
75189
330p
LS125
LH8530A SCC
IC13
LS244
LS374
LS74
IC14
JP1
LS04
PAL
16L8A2
IC11
LS164
LS245
LS38
LS688
IC2
IC3
IC4
SW1
EM1
RA1, 2, 3
10kΩ
C5~13
C16, 25
C28
104×12
C4 33μF
C1 33μF
C2 33μF
C3 33μF
C22 104
C21 104
X68000 BUS
10CLK
IACK2
IACK4
IRQ2
IRQ4
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
EXRESET
AS
LDS
R/W
IDDTR
AB1
AB2
AB3
EXREQ
DTACK
AB4
AB5
AB6
AB7
AB8
AB9
AB10
AB11
AB12
AB13
AB14
AB15
AB16
AB17
AB18
AB19
AB20
AB21
AB22
AB23
+12V
+5V
GND
-12V

●CZ-6BU　回路図



DB00 A4
·01 ·5
·02 ·6
·03 ·7
·04 ·8
·05 ·9
·06 ·10
·07 ·12
DB08 A13
·09 ·14
·10 ·15
·11 ·16
·12 ·17
·13 ·18
·14 ·19
·15 ·20
AB23 B29
·22 ·28
·21 ·27
·20 ·26
·19 ·25
·18 ·24
·17 ·23
·16 ·22
AB15 B20
·14 ·19
·13 ·18
·12 ·17
·11 ·16
·10 ·15
·09 ·14
·08 ·13
AB07 B12
·06 ·10
·05 ·9
·04 ·8
·03 ·7
·02 ·6
AS A27
DTACK A36
EXRESET A37
LDS A28
UDS A29
R/W A30
AB1 B5
IACK4 B45
·2 ·44
IRQ4 ·43
·2 ·42
VCC A,B49 A,B50
GND A,B1 A 3 A,B11 A,B21 A,B41
SSD232S EMI +5V GND
LS273 IC14
LS273 IC12
LS373 IC15
LS373 IC13
LS125 IC9
LS374 IC4
LS175 IC11
LS688 IC3
LS688 IC2
LS688 IC1
SW1
LS14 IC7
LS14 IC20
LS32 IC21
TOLS-150 IC17 60nS
LS74 IC22
LS38 IC6
LS244 IC5
LS08 IC16
IC30 LS139
IC10 LS54
JP1 JP2 JP3 JP4
(LS240) IC28
(LS240) IC26
(LS240) IC29
(LS240) IC27
LS123 IC23
LS74 IC18
LS74 IC8
LS74 IC19
IC24 17
IC25 LS14
4.7k R4
4.7k R7
4.7k R3
R8 4.7k
R2 47k
4.7k R1
47k R5
C25 102 R8 5.1k
C33 102 R9 5.1k
R16 100 102 C28
R15 100 102 C28
R6 4.7k
R17 100 102 C30
R14 100 102 C28
R11 100 104 C34
R13 2.7k R12 4.7k
CN1
J1 OUT10
·3 ·11
·5 ·12
·7 ·13
·9 ·14
·11 ·15
·13 ·16
·15 ·17
J17 OUT00
·19 ·01
·21 ·02
·23 ·03
·25 ·04
·27 ·05
·29 ·06
·31 ·07
CN2
J1 IN10
·3 ·11
·5 ·12
·7 ·13
·9 ·14
·11 ·15
·13 ·16
·15 ·17
J17 IN00
·19 ·01
·21 ·02
·23 ·03
·25 ·04
·27 ·05
·29 ·06
·31 ·07
CN1
J33 OUTSTB1
J35 OUTSTB0
J37 WTBUSY1
J39 WTBUSY0
偶数 GND
CN2
J33 INSTB1
J35 INSTB0
J37 RDBUSY1
J39 RDBUSY0
J41 INT
偶数 GND
RA4,10 RA2,9 RA5,10 RA3,9 RA6,7
10k
2.7k
4.7k